

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015933.D
 Acq On : 24 Apr 2020 16:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/27/2020 12:40:02 PM

Quant Time: Apr 25 07:20:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	147451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	267402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	246932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	116176	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	97964	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
35) Dibromofluoromethane	5.46	113	74130	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	8.70	98	302565	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.12	95	120296	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	83855	51.725	ug/l	98
3) Chloromethane	1.31	50	77552	46.417	ug/l	98
4) Vinyl Chloride	1.39	62	105504	49.343	ug/l	100
5) Bromomethane	1.62	94	48348	62.715	ug/l	100
6) Chloroethane	1.71	64	62704	48.718	ug/l	99
7) Trichlorofluoromethane	1.92	101	125598	50.147	ug/l	97
8) Diethyl Ether	2.17	74	56298	47.231	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	80911	50.781	ug/l	99
10) Methyl Iodide	2.49	142	86665	47.516	ug/l	99
11) Tert butyl alcohol	3.01	59	97671	218.350	ug/l	100
12) 1,1-Dichloroethene	2.36	96	82004	49.121	ug/l	99
13) Acrolein	2.27	56	61117	220.153	ug/l	98
14) Allyl chloride	2.70	41	144457	48.960	ug/l	99
15) Acrylonitrile	3.11	53	233699	239.033	ug/l	99
16) Acetone	2.42	43	171203	219.224	ug/l	98
17) Carbon Disulfide	2.55	76	223056	48.472	ug/l	99
18) Methyl Acetate	2.75	43	110613	46.834	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	292666	48.948	ug/l	100
20) Methylene Chloride	2.83	84	92601	47.936	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	91523	49.068	ug/l	99
22) Diisopropyl ether	3.82	45	282548	48.492	ug/l	89
23) Vinyl Acetate	3.78	43	1178351	247.527	ug/l	99
24) 1,1-Dichloroethane	3.67	63	163904	49.172	ug/l	100
25) 2-Butanone	4.63	43	290959	228.818	ug/l	99
26) 2,2-Dichloropropane	4.55	77	148859	50.611	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	103563	48.945	ug/l	100
28) Bromochloromethane	4.98	49	72738	49.366	ug/l	100
29) Tetrahydrofuran	5.09	42	194743	232.490	ug/l	100
30) Chloroform	5.17	83	162258	49.244	ug/l	99
31) Cyclohexane	5.55	56	151288	48.456	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	142812	48.178	ug/l	99
36) 1,1-Dichloropropene	5.77	75	127630	50.012	ug/l	100
37) Ethyl Acetate	4.79	43	121383	47.417	ug/l	99
38) Carbon Tetrachloride	5.76	117	117368	50.328	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	160918	52.018	ug/l	99
40) Benzene	6.11	78	374162	50.098	ug/l	97
41) Methacrylonitrile	5.00	41	67550	46.552	ug/l	99
42) 1,2-Dichloroethane	6.16	62	131992	50.501	ug/l	99
43) Isopropyl Acetate	6.41	43	208448	49.564	ug/l	100
44) Trichloroethene	7.19	130	114154	49.653	ug/l	100
45) 1,2-Dichloropropane	7.49	63	95363	49.899	ug/l	98
46) Dibromomethane	7.64	93	63214	49.530	ug/l	99
47) Bromodichloromethane	7.88	83	131257	50.537	ug/l	99
48) Methyl methacrylate	7.74	41	101485	49.073	ug/l	99
49) 1,4-Dioxane	7.71	88	41694	906.487	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	601281	243.874	ug/l	100
52) Toluene	8.76	92	240454	50.752	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	158690	50.671	ug/l	98
54) cis-1,3-Dichloropropene	8.41	75	168031	51.288	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	92808	49.047	ug/l	98
56) Ethyl methacrylate	9.16	69	152570	50.051	ug/l	99
57) 1,3-Dichloropropane	9.35	76	161639	49.929	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	392393	260.503	ug/l	100
59) 2-Hexanone	9.47	43	451968	241.418	ug/l	99
60) Dibromochloromethane	9.57	129	96380	51.291	ug/l	100
61) 1,2-Dibromoethane	9.65	107	98110	50.129	ug/l	100
64) Tetrachloroethene	9.32	164	127227	51.778	ug/l	93
65) Chlorobenzene	10.12	112	251400	51.280	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	88446	50.912	ug/l	98
67) Ethyl Benzene	10.24	91	463782	51.311	ug/l	98
68) m/p-Xylenes	10.34	106	345783	104.458	ug/l	100
69) o-Xylene	10.68	106	165391	51.201	ug/l	99
70) Styrene	10.70	104	288446	51.774	ug/l	99
71) Bromoform	10.84	173	59484	45.196	ug/l #	97
73) Isopropylbenzene	11.01	105	444395	51.463	ug/l	100
74) N-amyl acetate	10.88	43	191219	50.986	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	99241	50.855	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	126502m	50.762	ug/l	
77) Bromobenzene	11.24	156	98175	50.054	ug/l	98
78) n-propylbenzene	11.35	91	522751	51.274	ug/l	100
79) 2-Chlorotoluene	11.41	91	308742	51.374	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	379686	51.724	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	53166	48.057	ug/l #	87
82) 4-Chlorotoluene	11.49	91	369000	51.442	ug/l	98
83) tert-Butylbenzene	11.76	119	318895	51.665	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	383196	50.910	ug/l	100
85) sec-Butylbenzene	11.93	105	436493	51.650	ug/l	99
86) p-Isopropyltoluene	12.05	119	398257	51.679	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	188386	52.236	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	186504	50.222	ug/l	100
89) n-Butylbenzene	12.37	91	379509	52.255	ug/l	100
90) Hexachloroethane	12.58	117	60038	49.929	ug/l	92
91) 1,2-Dichlorobenzene	12.38	146	175677	50.237	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	29350	47.241	ug/l	99

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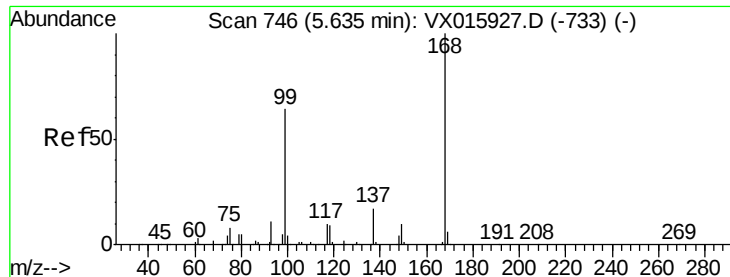
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	113749	50.420	ug/l	100
94) Hexachlorobutadiene	13.76	225	39180	48.993	ug/l	97
95) Naphthalene	13.82	128	414567	50.528	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	109491	51.297	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 147451

Ion Ratio Lower Upper

168 100

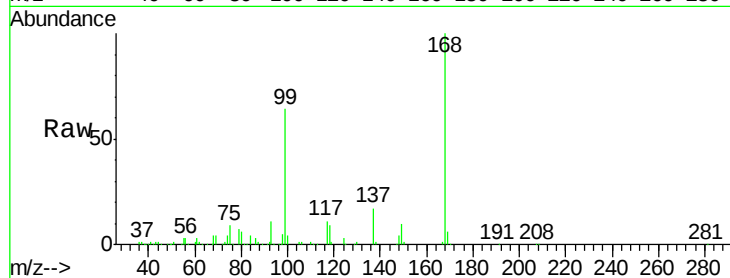
99 63.8 51.2 76.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

60000

50000

40000

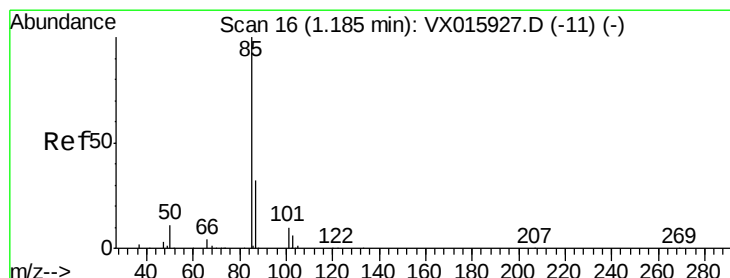
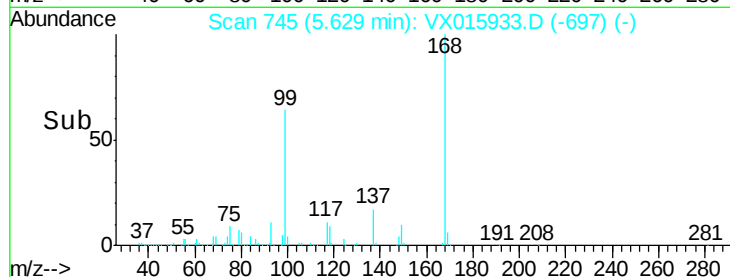
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.725 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015933.D

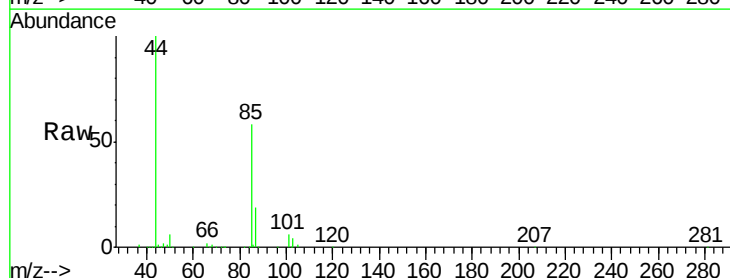
Acq: 24 Apr 2020 16:04

Tgt Ion: 85 Resp: 83855

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

100000

80000

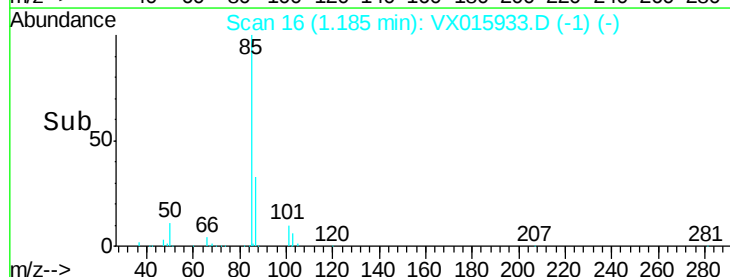
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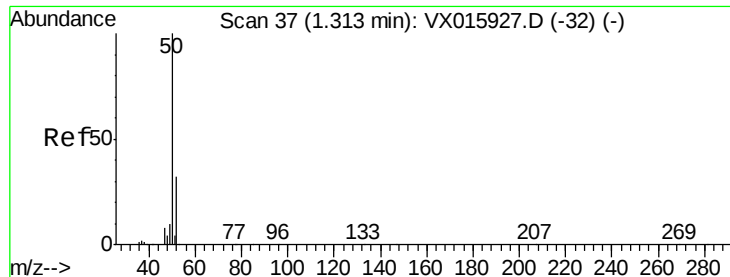
40000

20000

0

Time-->





#3

Chloromethane

Concen: 46.417 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 77552

Ion Ratio Lower Upper

50 100

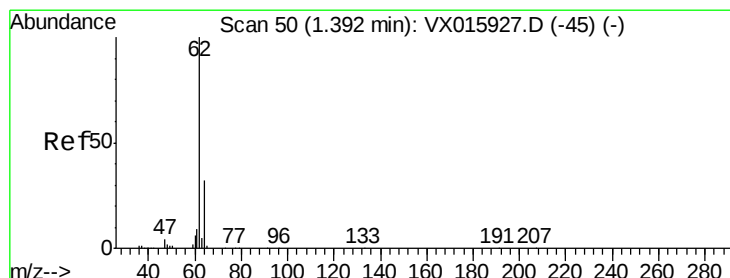
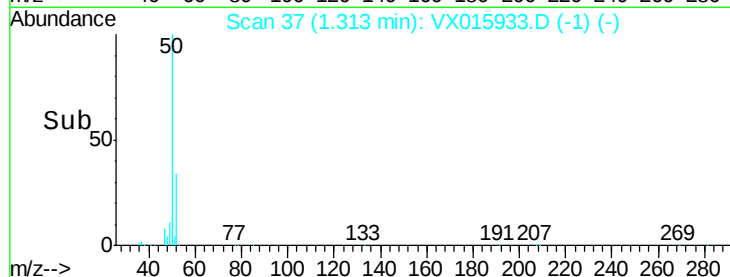
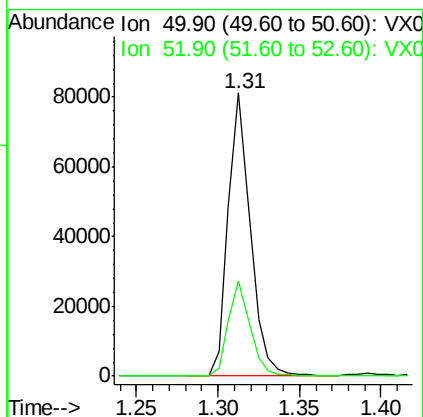
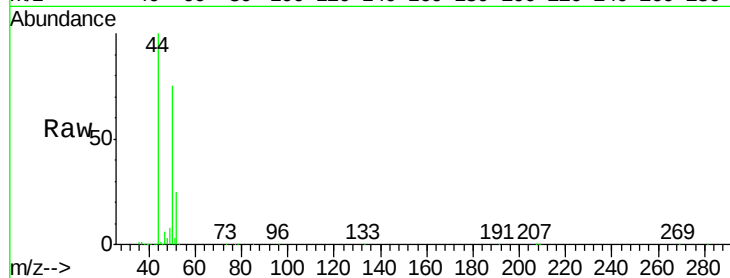
52 33.7 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.343 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015933.D

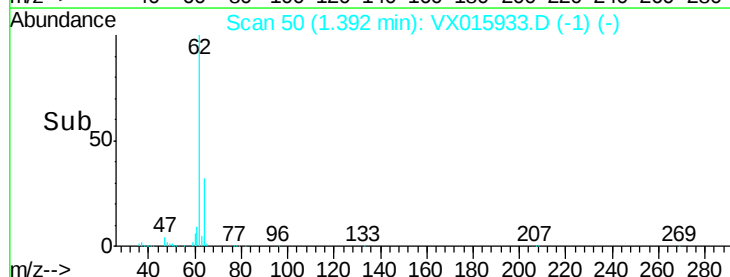
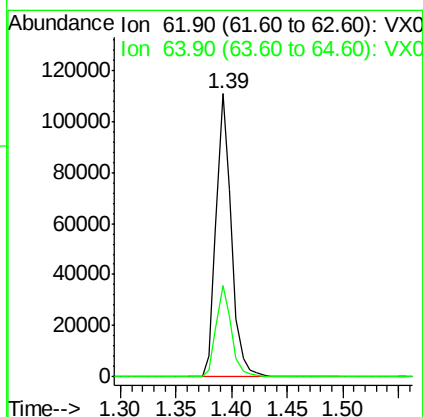
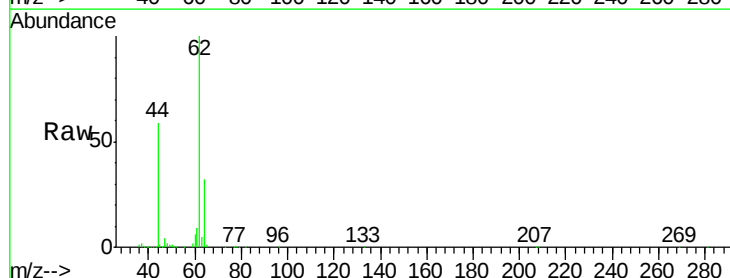
Acq: 24 Apr 2020 16:04

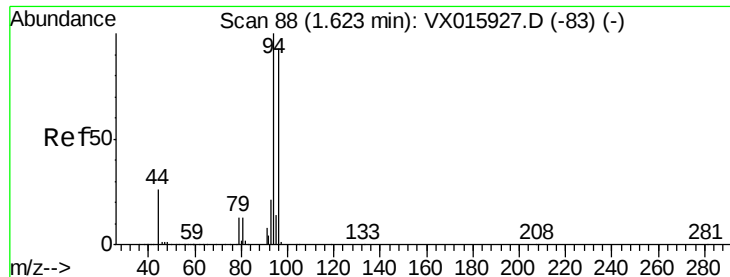
Tgt Ion: 62 Resp: 105504

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 62.715 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48348

Ion Ratio Lower Upper

94 100

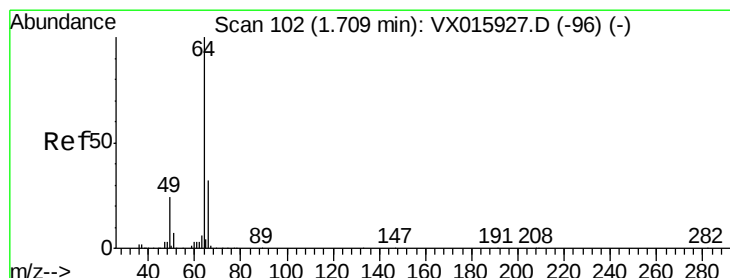
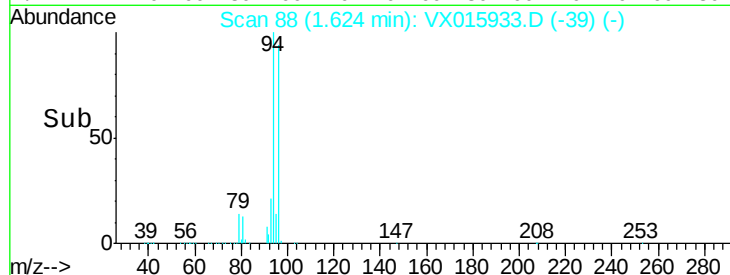
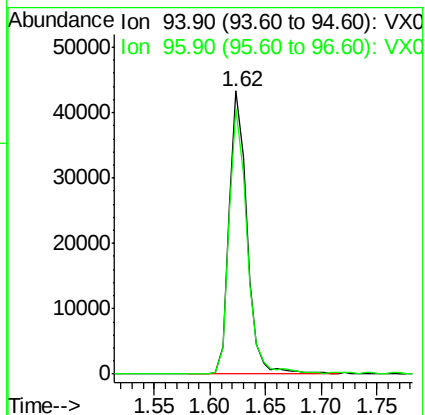
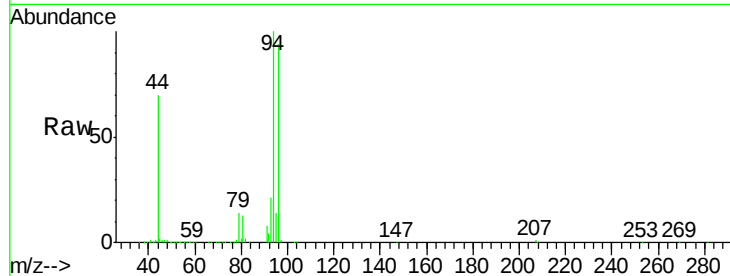
96 93.6 74.8 112.2

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#6

Chloroethane

Concen: 48.718 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX015933.D

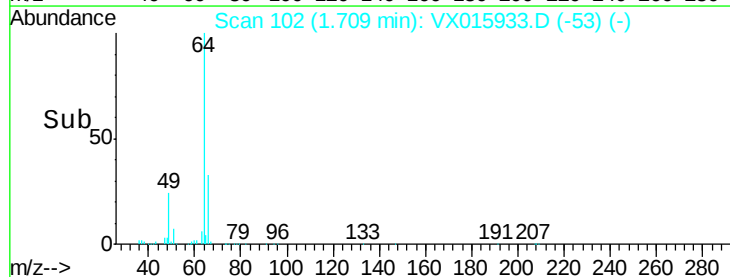
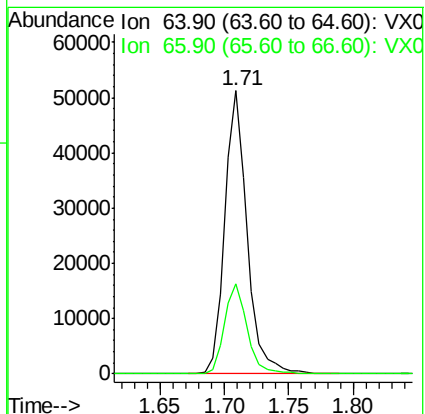
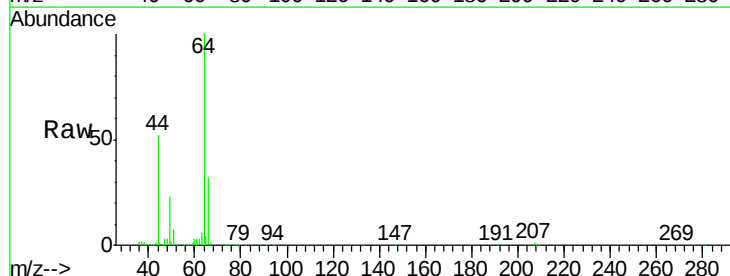
Acq: 24 Apr 2020 16:04

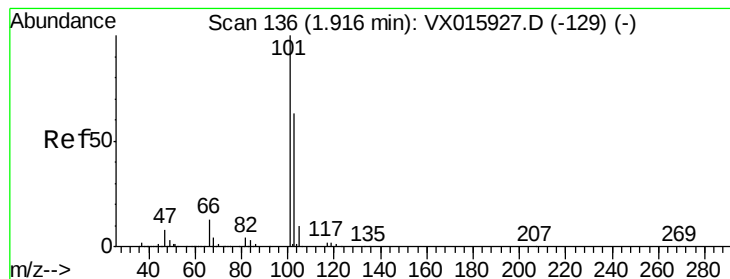
Tgt Ion: 64 Resp: 62704

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.8





#7

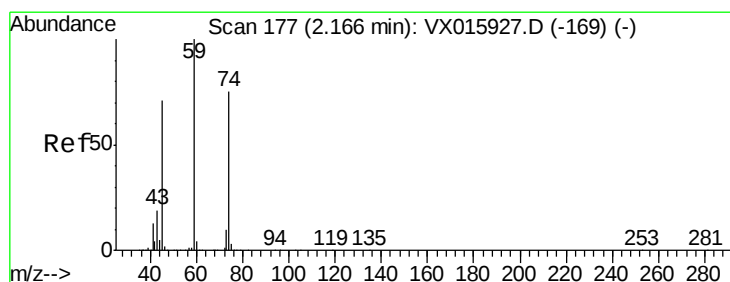
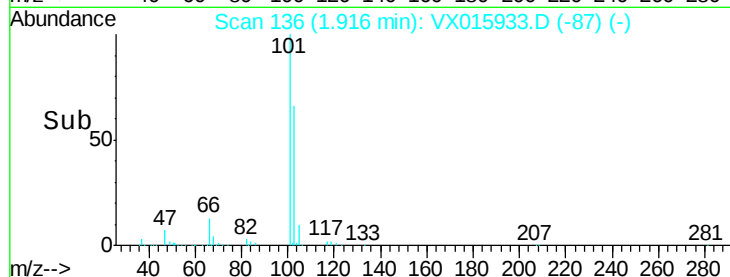
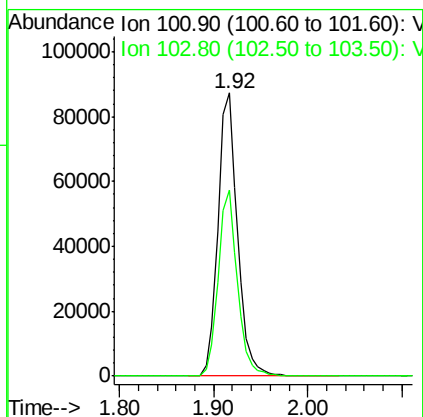
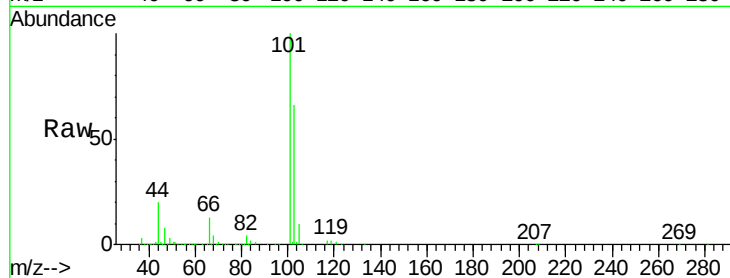
Trichlorofluoromethane
Concen: 50.147 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.8	76.2

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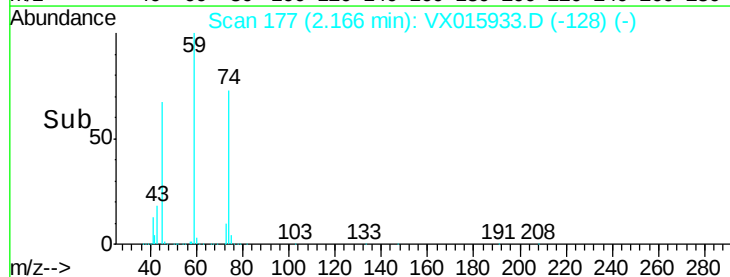
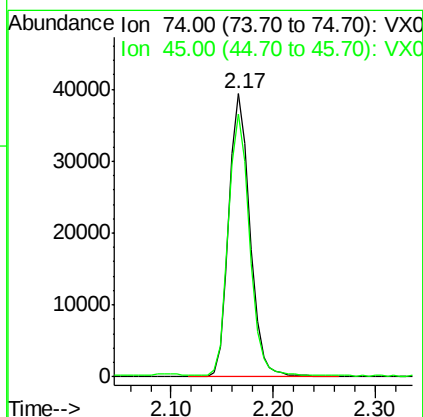
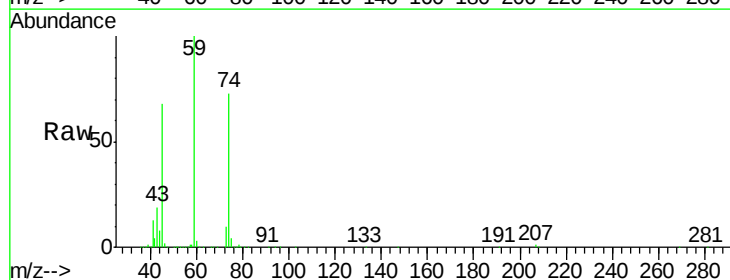
MMDadoda
4/27/2020 12:40:02 PM

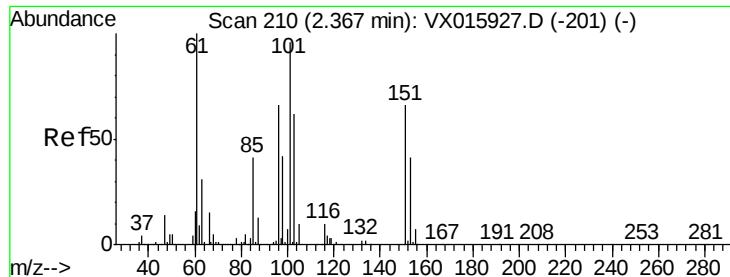


#8

Diethyl Ether
Concen: 47.231 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	46.9	140.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.781 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

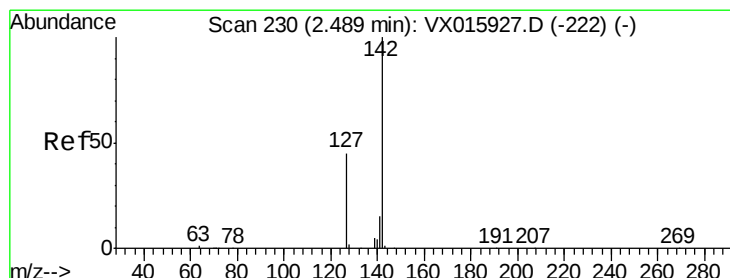
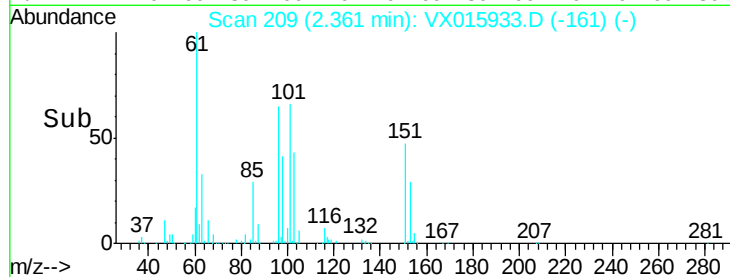
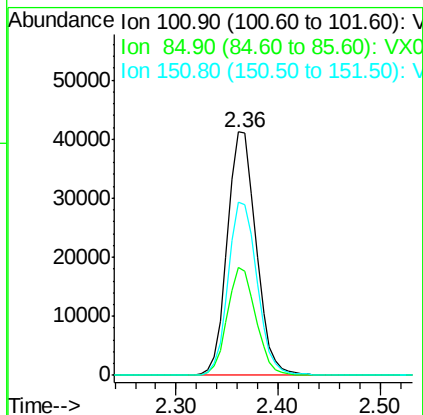
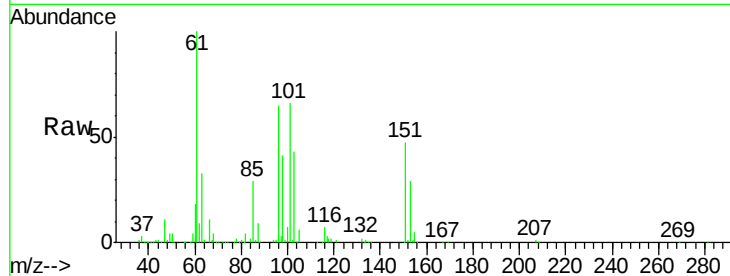
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	80911
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.9	52.3
151	71.3	55.8	83.6

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 47.516 ug/l

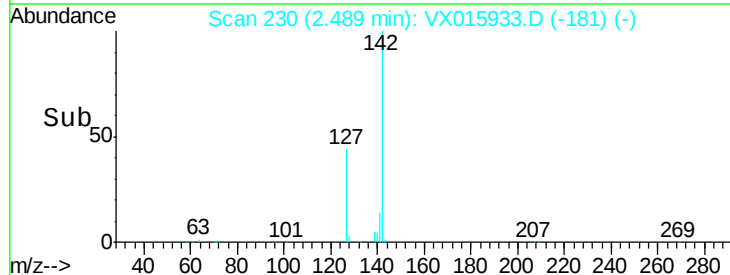
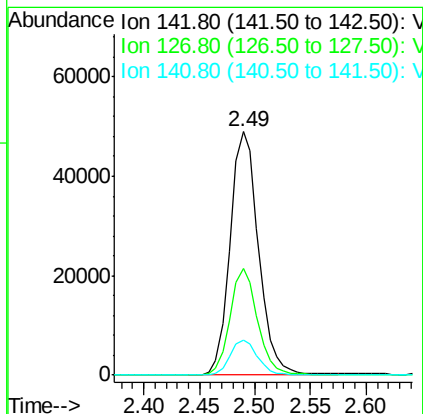
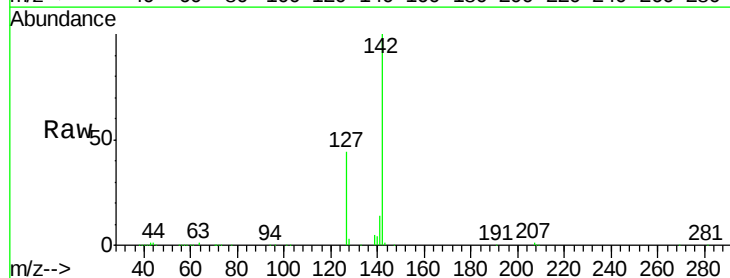
RT: 2.49 min Scan# 230

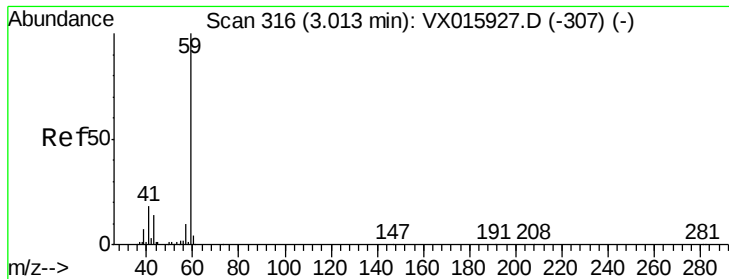
Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Tgt Ion:	142	Resp:	86665
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.4	51.6
141	14.0	11.5	17.3





#11

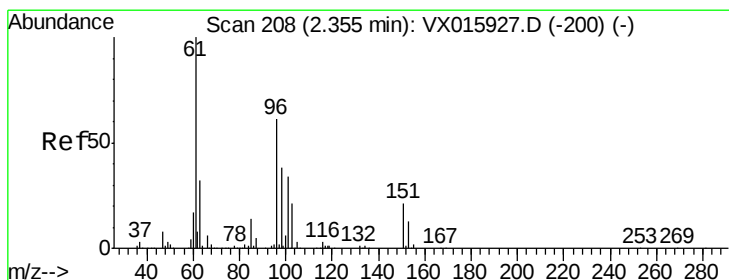
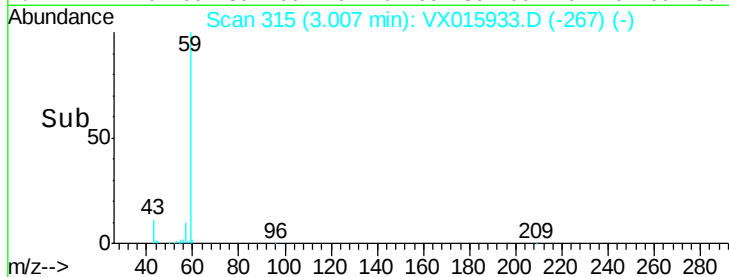
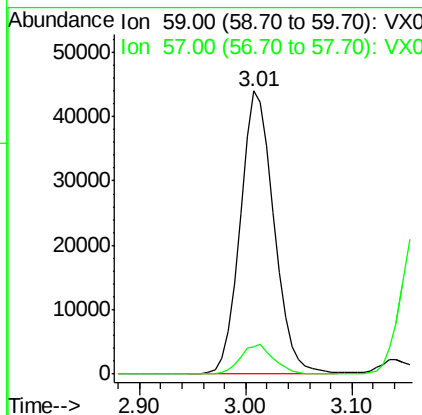
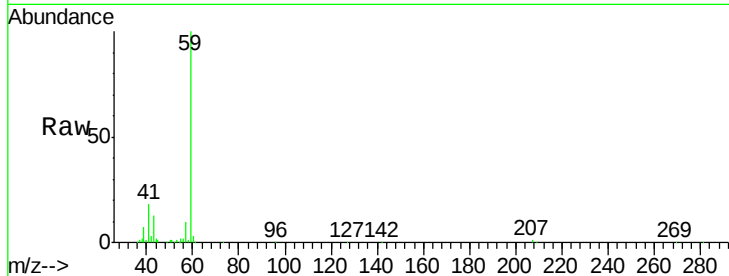
Tert butyl alcohol
Concen: 218.350 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

Manual Integrations
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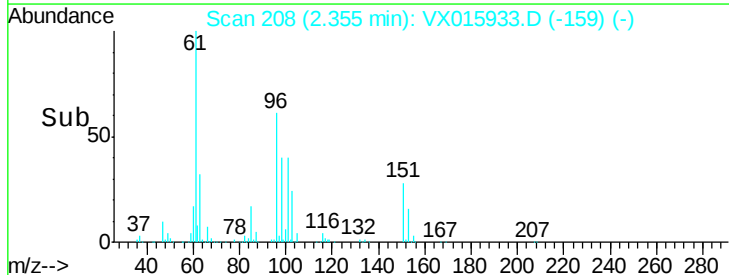
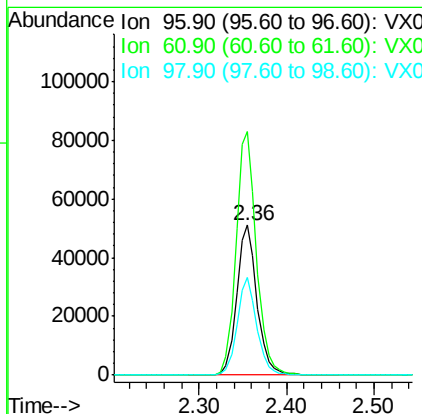
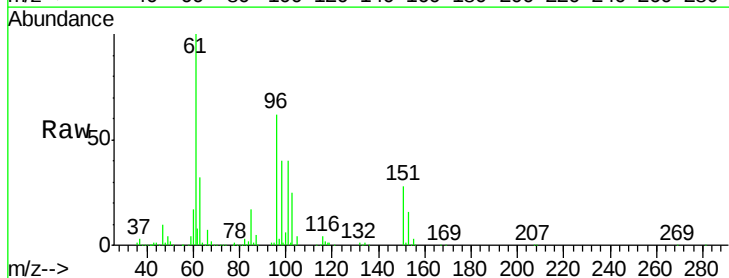
MMDadoda
4/27/2020 12:40:02 PM

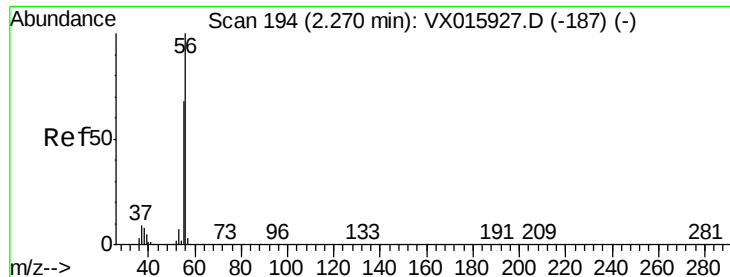


#12

1,1-Dichloroethene
Concen: 49.121 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.8	131.2	196.8
98	65.0	50.2	75.4





#13

Acrolein

Concen: 220.153 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 61117

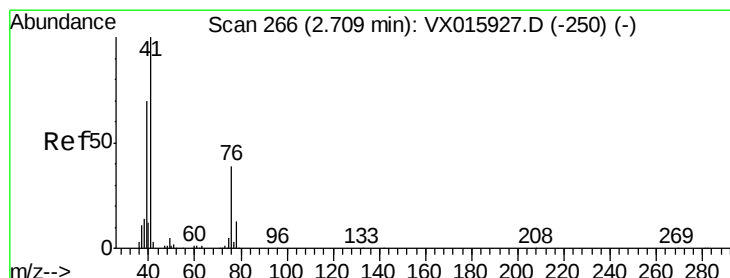
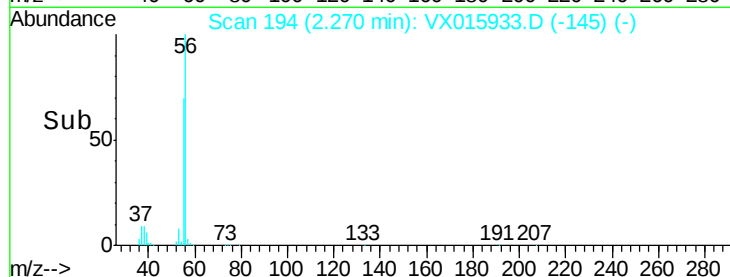
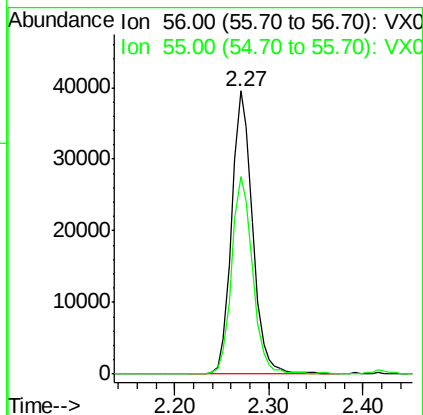
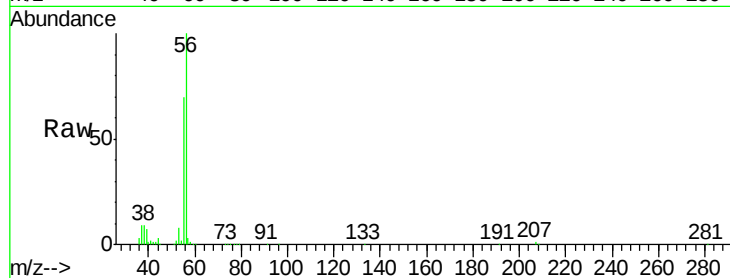
Ion Ratio Lower Upper

56 100

55 68.8 56.0 84.0

Manual Integrations
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#14

Allyl chloride

Concen: 48.960 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

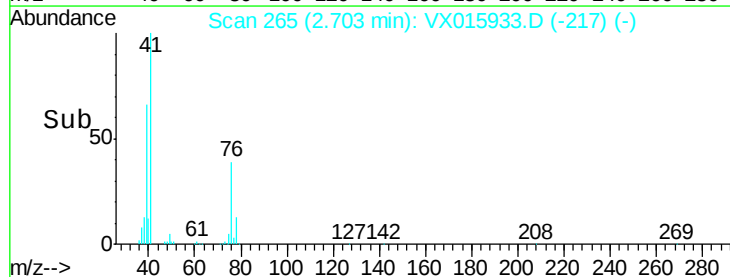
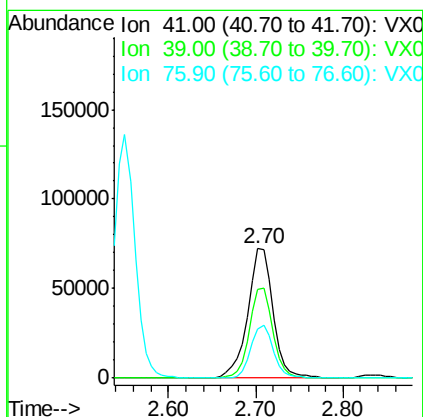
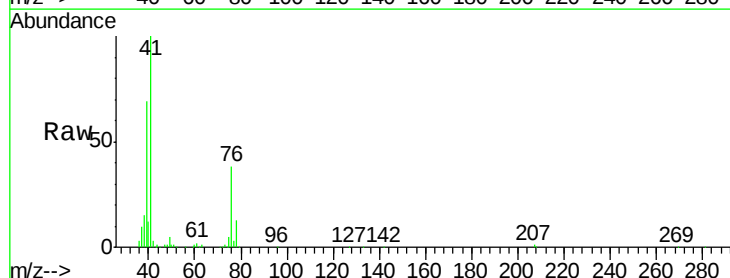
Tgt Ion: 41 Resp: 144457

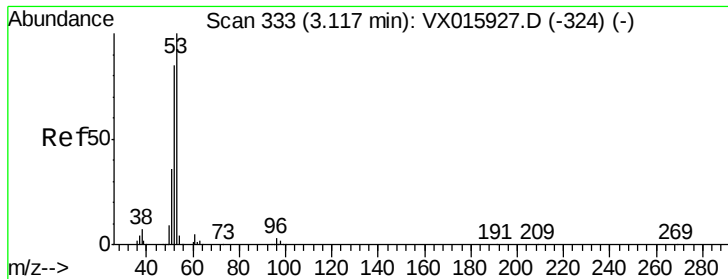
Ion Ratio Lower Upper

41 100

39 65.0 51.6 77.4

76 36.2 29.3 43.9





#15

Acrylonitrile

Concen: 239.033 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

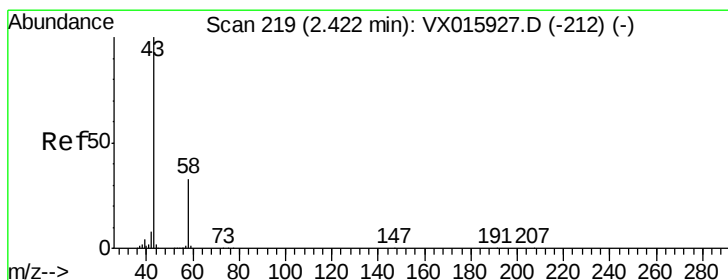
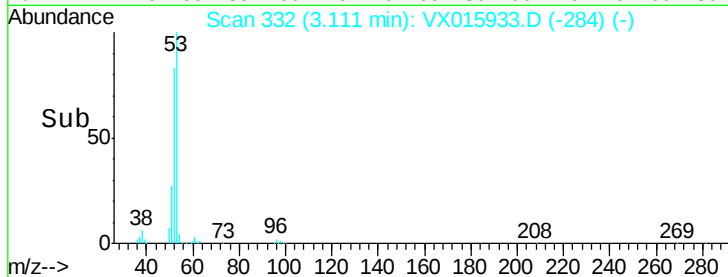
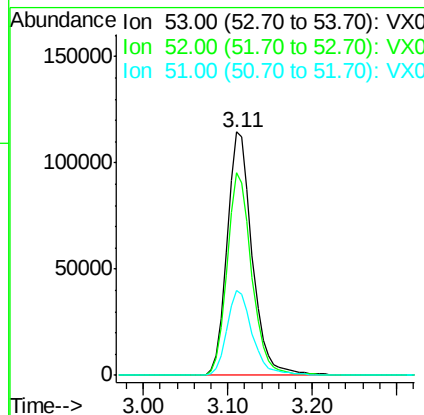
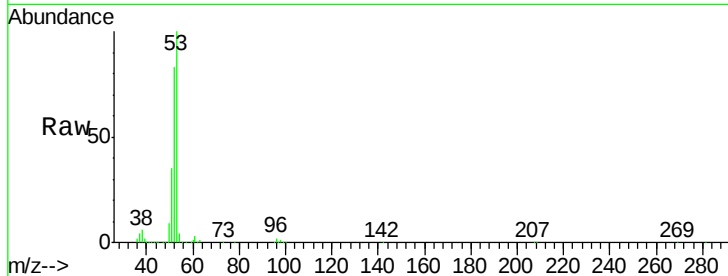
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	233699
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.5	98.3
51	35.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 219.224 ug/l

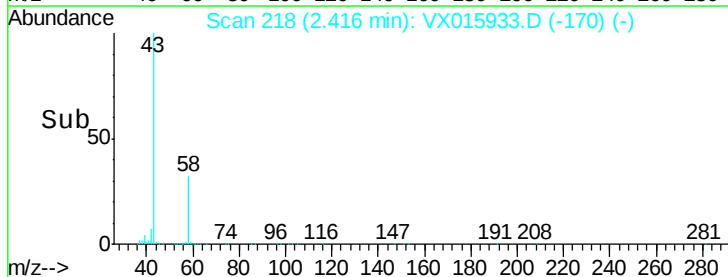
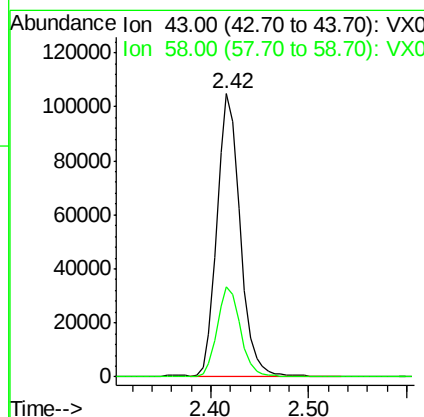
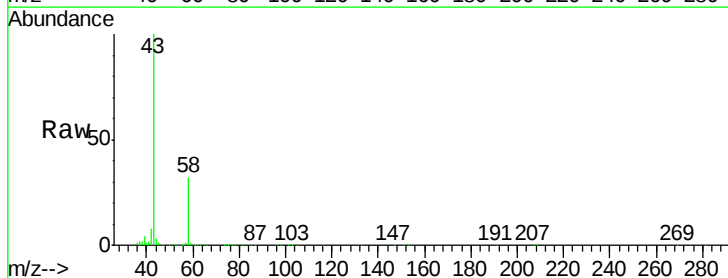
RT: 2.42 min Scan# 218

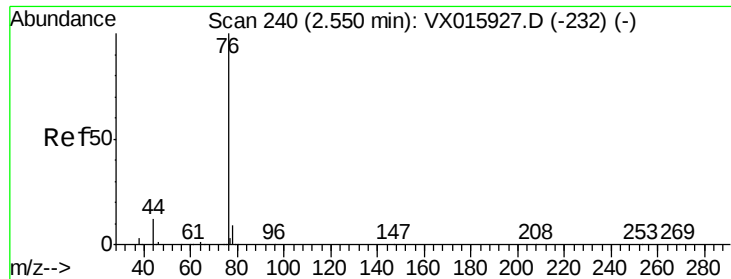
Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Tgt Ion:	43	Resp:	171203
Ion Ratio	Lower	Upper	
43	100		
58	32.1	26.4	39.6





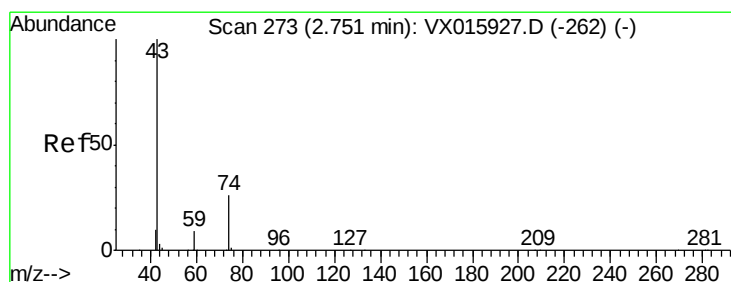
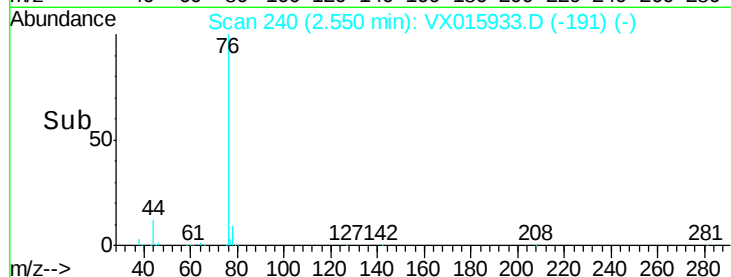
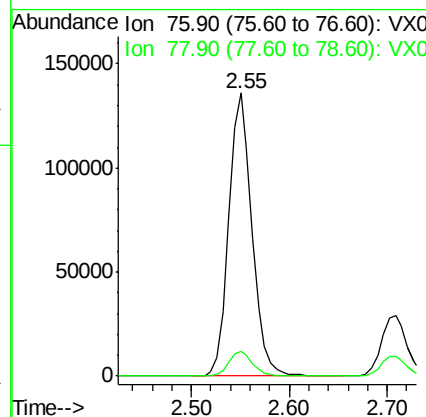
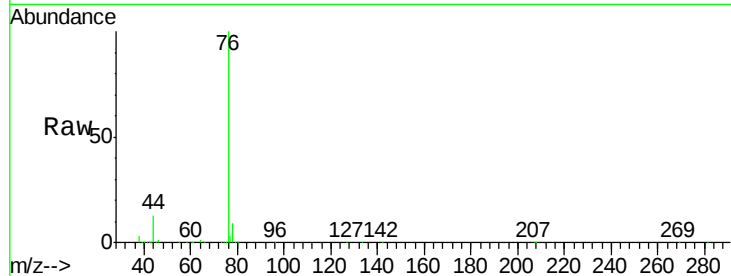
#17
Carbon Disulfide
Concen: 48.472 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

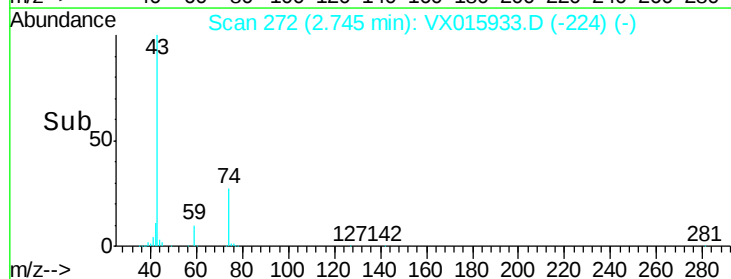
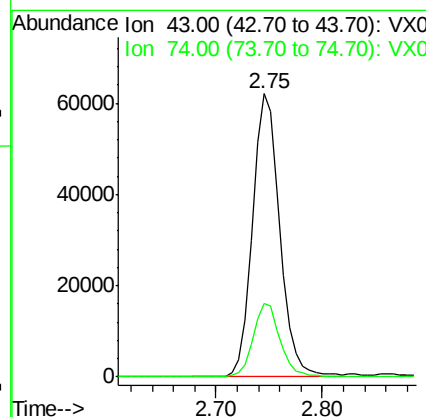
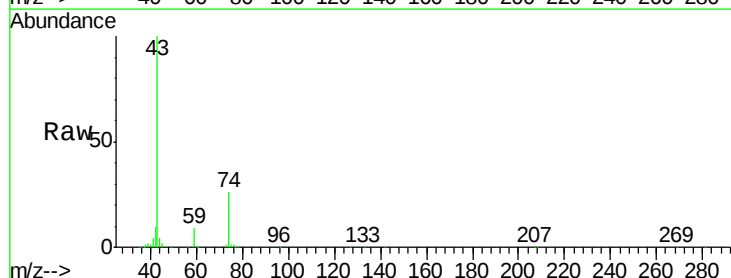
Manual Integrations
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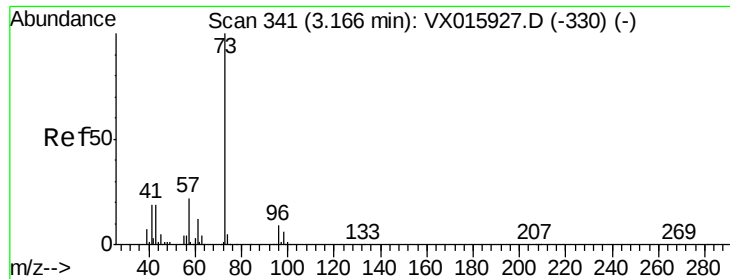
MMDadoda
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#18
Methyl Acetate
Concen: 46.834 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.0	31.4





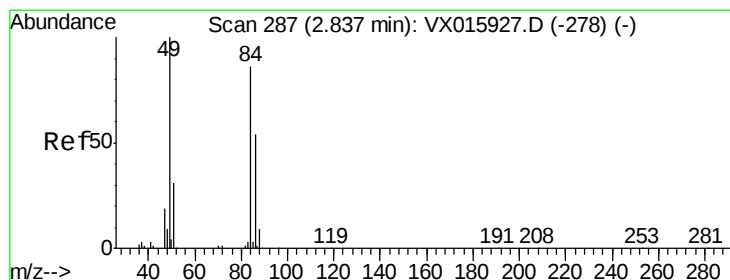
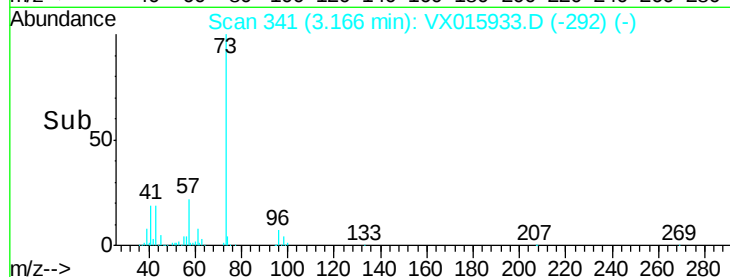
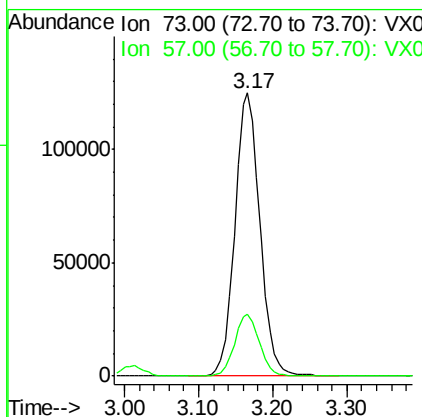
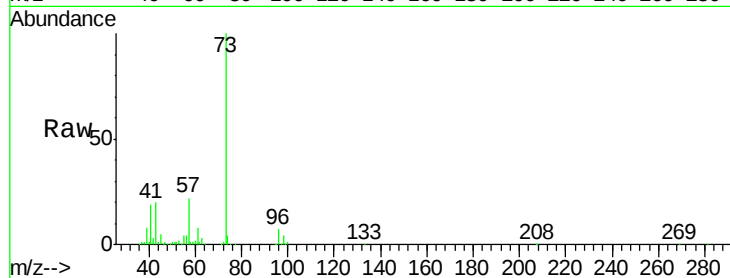
#19
Methyl tert-butyl Ether
Concen: 48.948 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.3	25.9

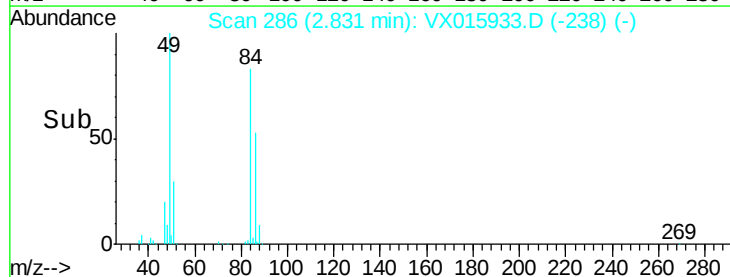
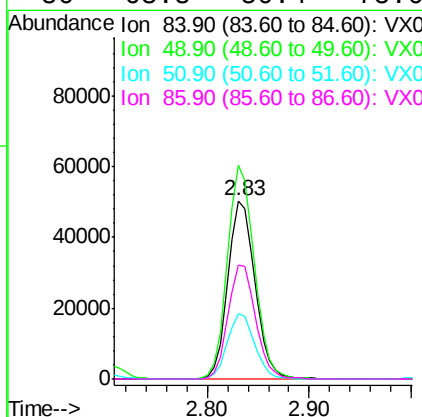
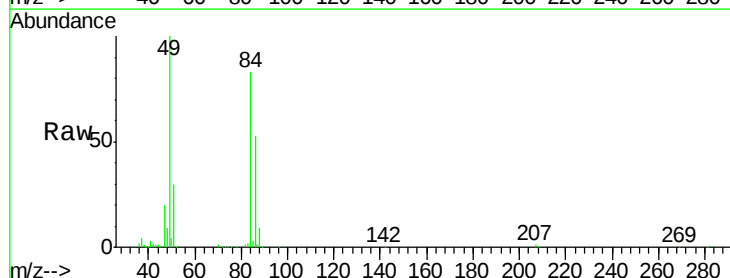
Manual Integrations
APPROVED

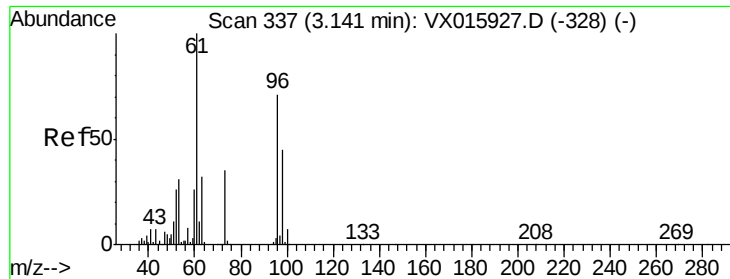
MMDadoda
4/27/2020 12:40:02 PM



#20
Methylene Chloride
Concen: 47.936 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.9	93.0	139.6
51	36.4	28.6	43.0
86	63.8	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 49.068 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

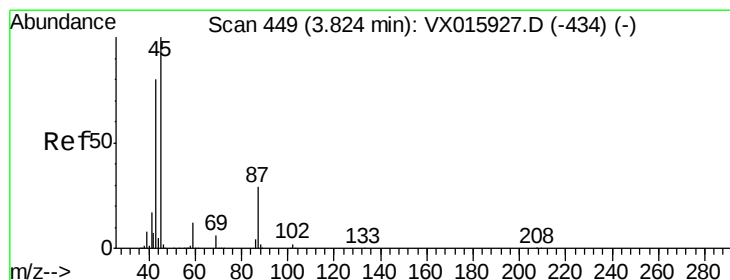
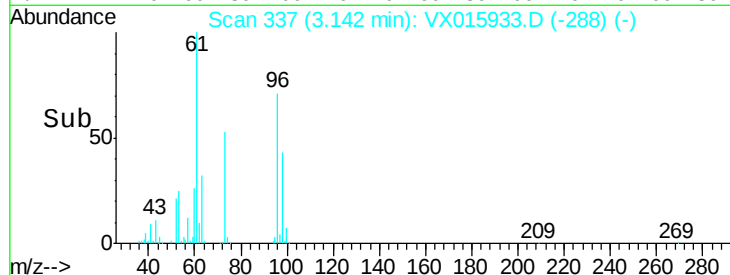
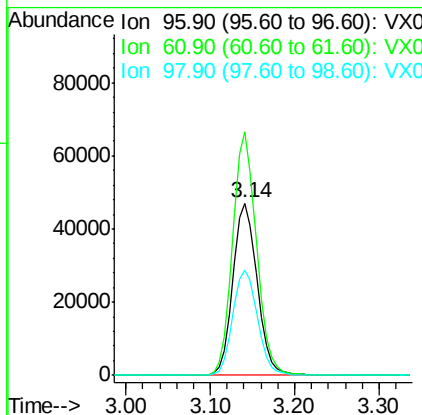
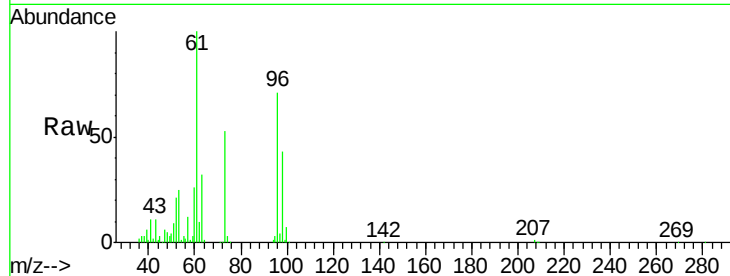
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	91523
Ion	Ratio	Lower	Upper
96	100		
61	141.4	112.7	169.1
98	61.0	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.492 ug/l

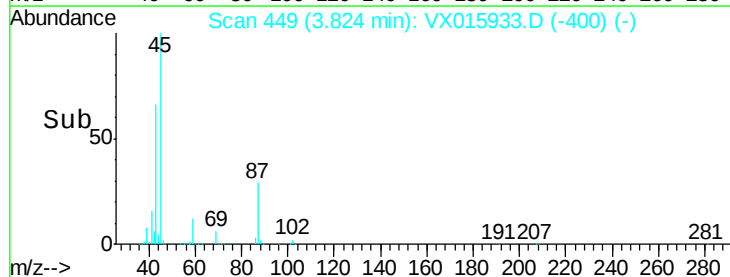
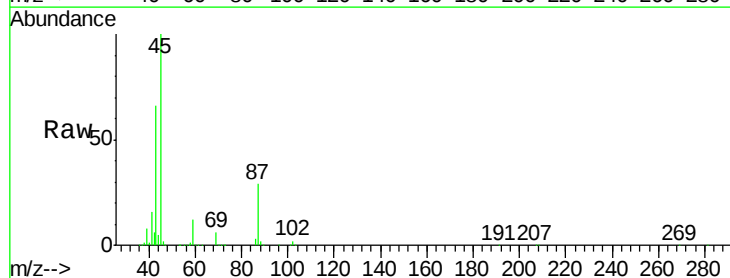
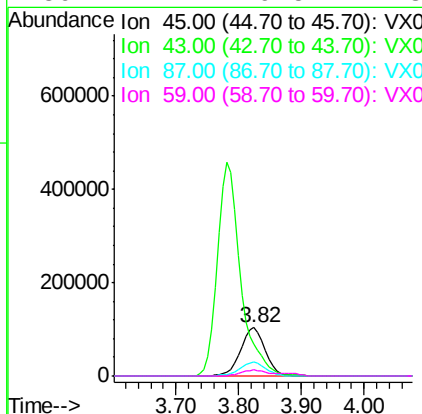
RT: 3.82 min Scan# 449

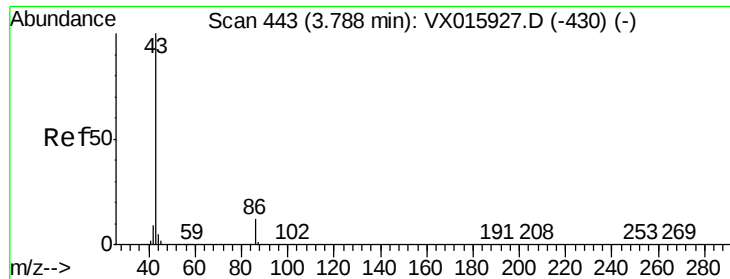
Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Tgt Ion:	45	Resp:	282548
Ion	Ratio	Lower	Upper
45	100		
43	66.0	63.8	95.6
87	29.2	22.9	34.3
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 247.527 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1178351

Ion Ratio Lower Upper

43 100

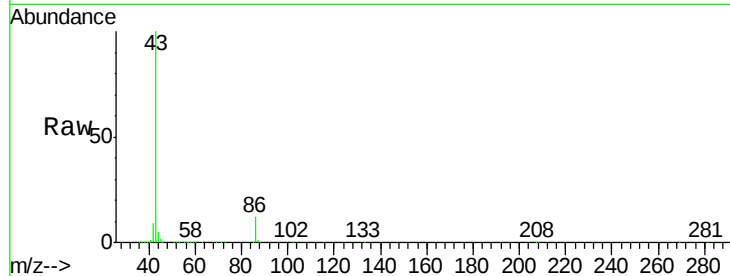
86 11.6 9.4 14.2

Manual Integrations

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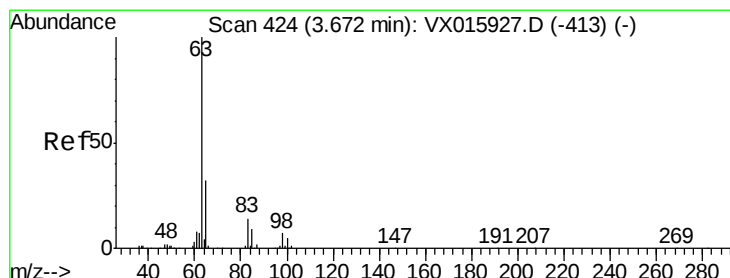
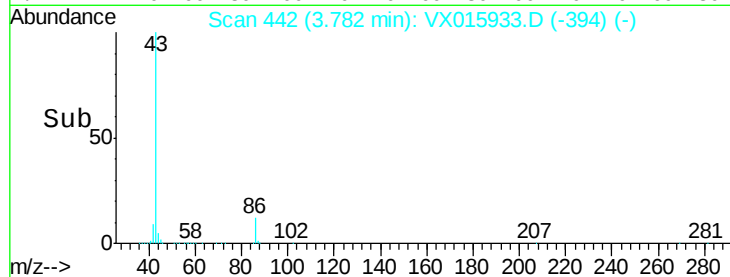
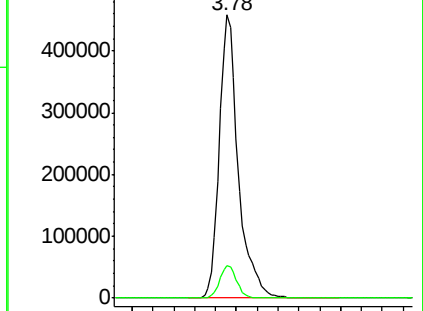
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.172 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

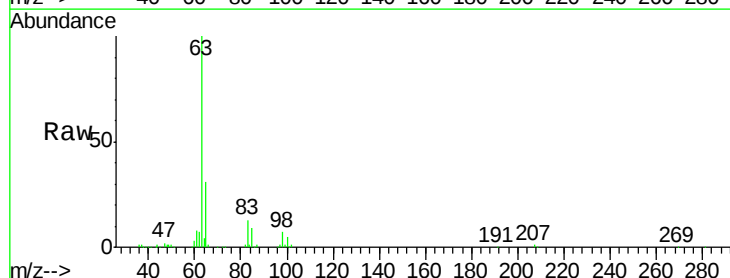
Tgt Ion: 63 Resp: 163904

Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

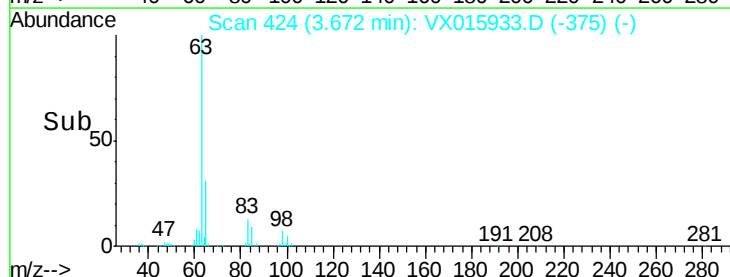
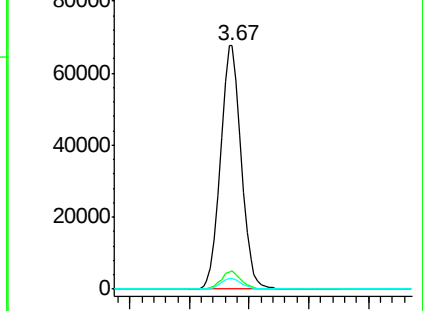
100 4.6 2.3 6.9

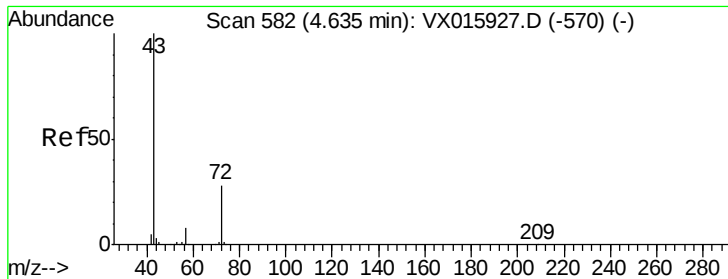


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 228.818 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 290959

Ion Ratio Lower Upper

43 100

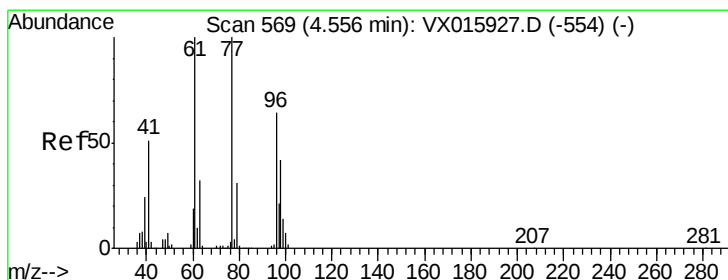
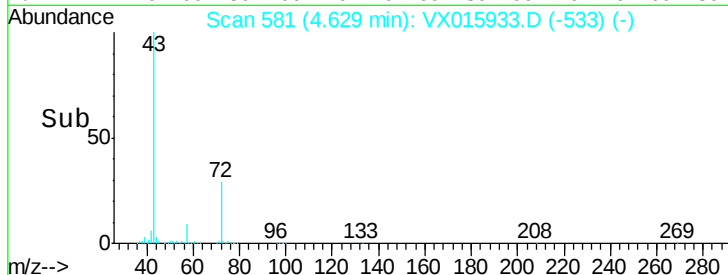
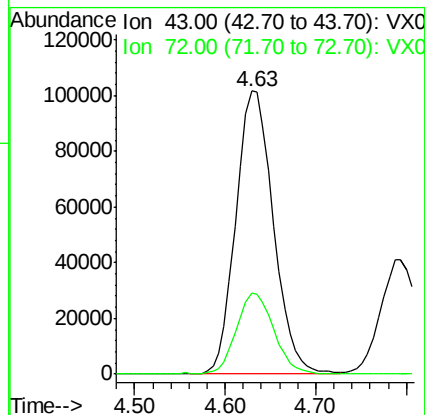
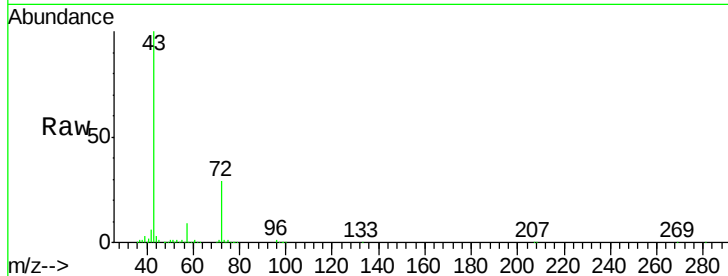
72 28.8 22.4 33.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.611 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015933.D

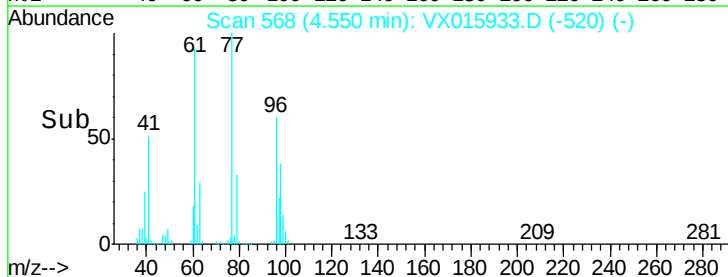
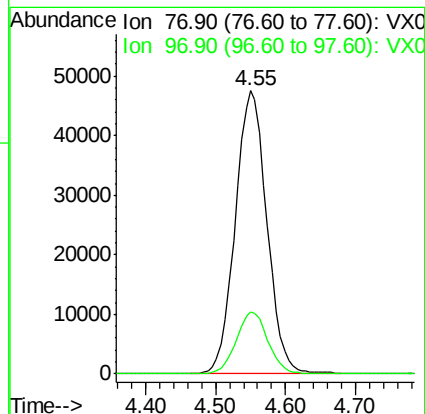
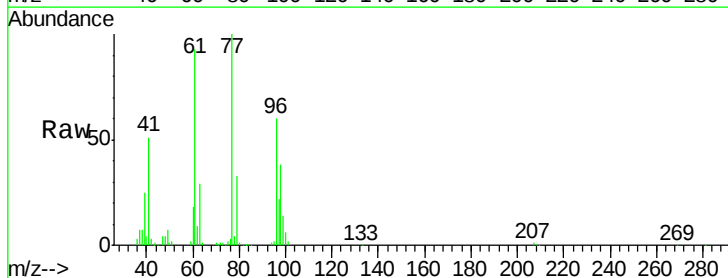
Acq: 24 Apr 2020 16:04

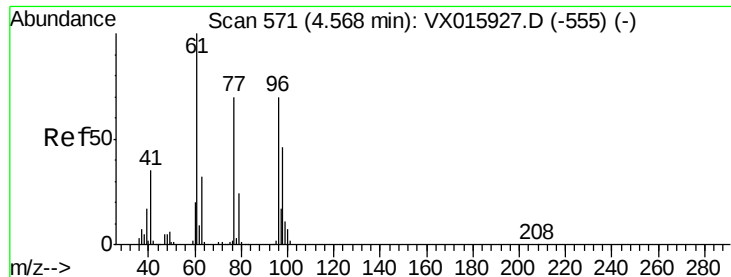
Tgt Ion: 77 Resp: 148859

Ion Ratio Lower Upper

77 100

97 22.0 11.3 33.9





#27

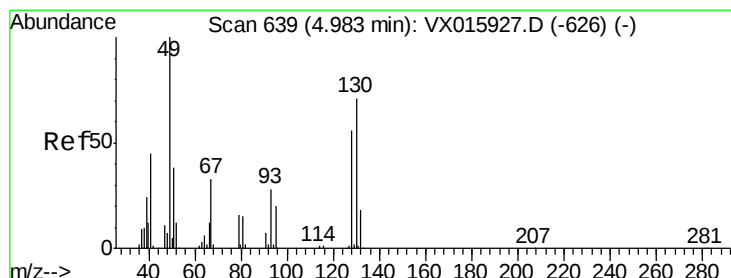
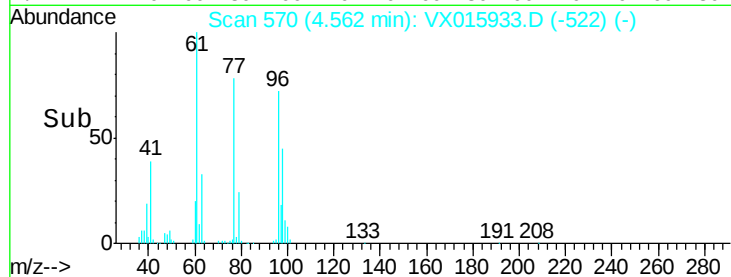
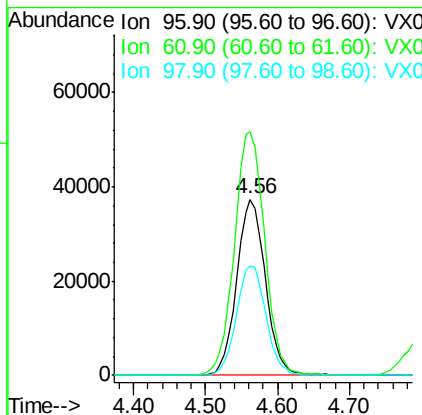
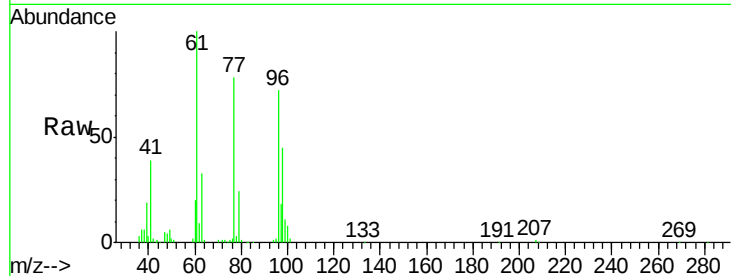
cis-1,2-Dichloroethene
Concen: 48.945 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.4	0.0	293.4	
98	64.1	0.0	129.0	

Manual Integrations
APPROVED

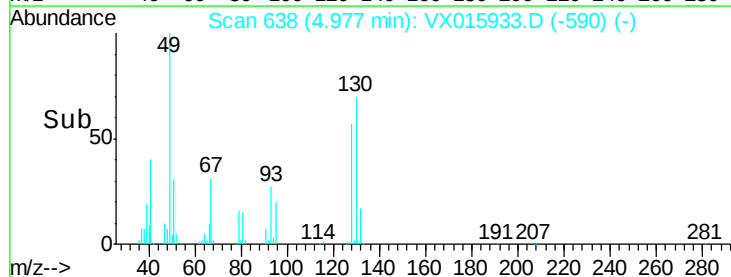
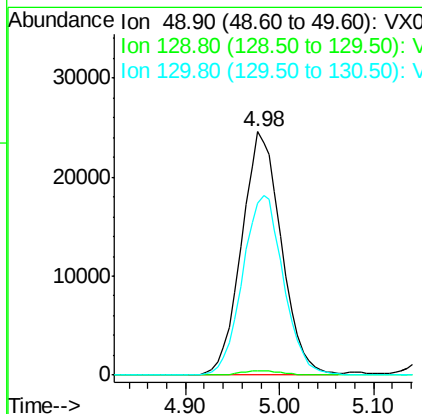
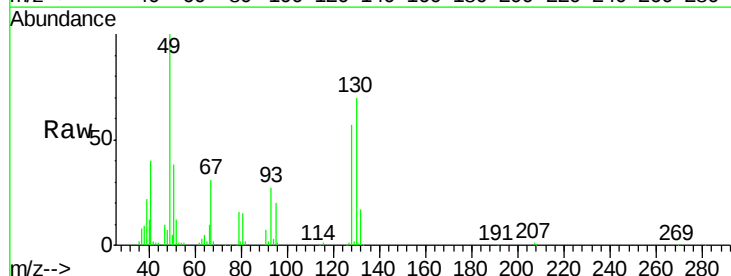
MMDadoda
4/27/2020 12:40:02 PM

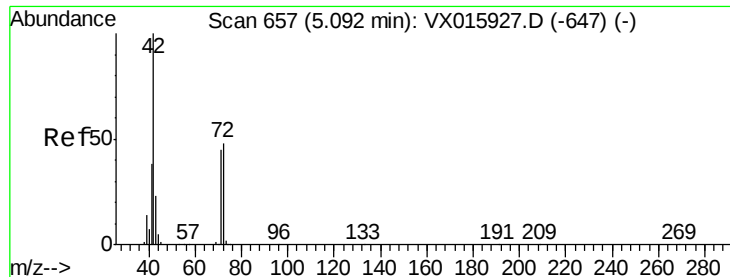


#28

Bromochloromethane
Concen: 49.366 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.8	
130	75.7	60.7	91.1	





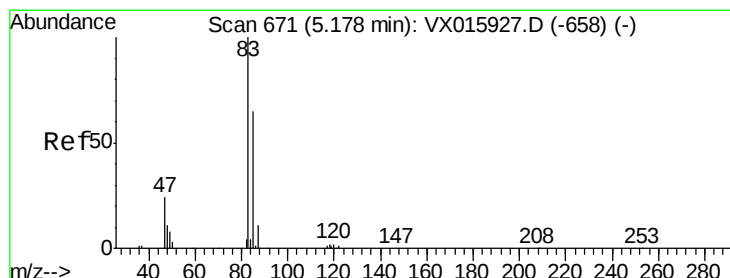
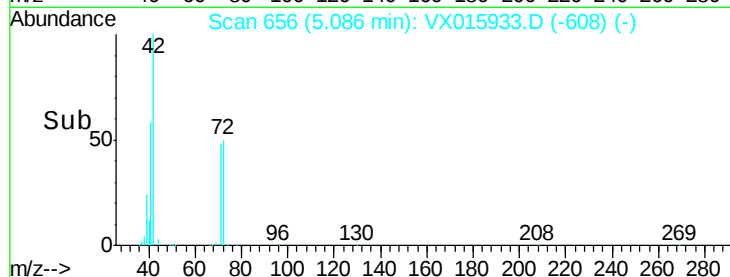
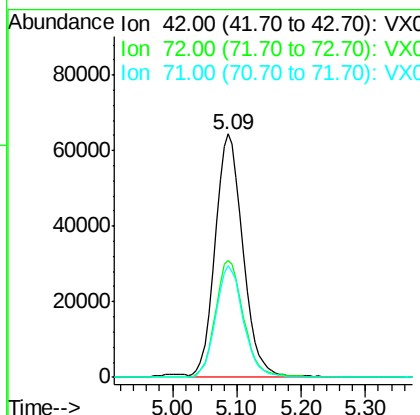
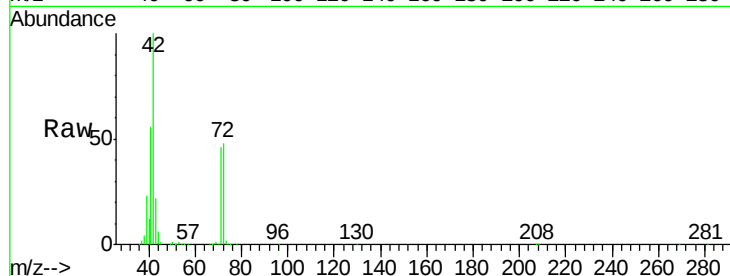
#29
Tetrahydrofuran
Concen: 232.490 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	39.5	59.3
71	45.9	36.4	54.6

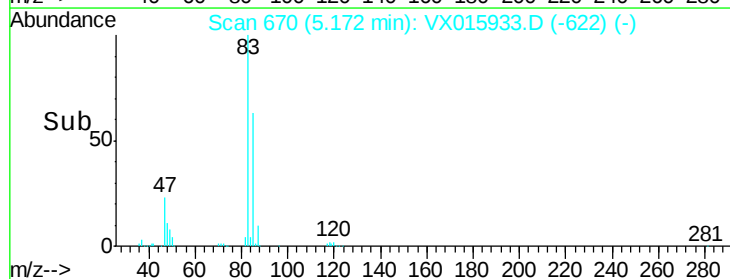
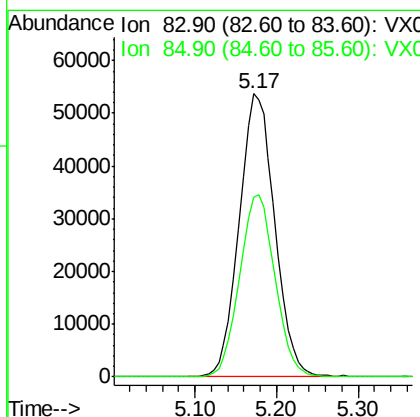
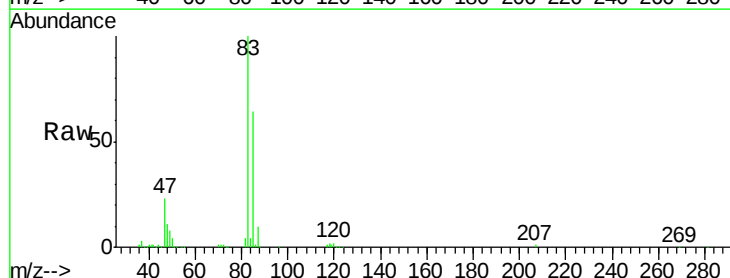
Manual Integrations
APPROVED

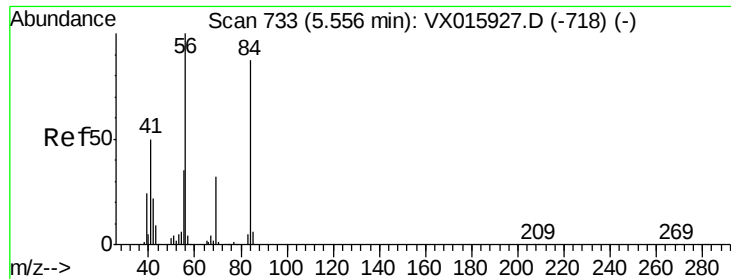
MMDadoda
4/27/2020 12:40:02 PM



#30
Chloroform
Concen: 49.244 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.7	77.5





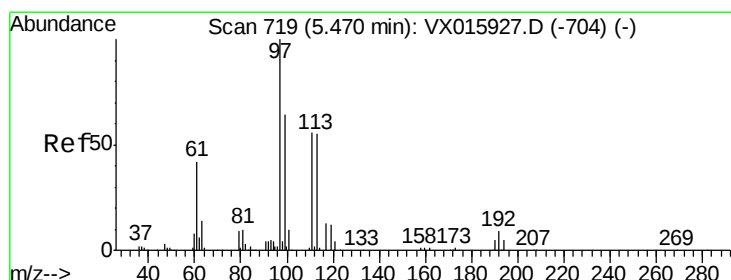
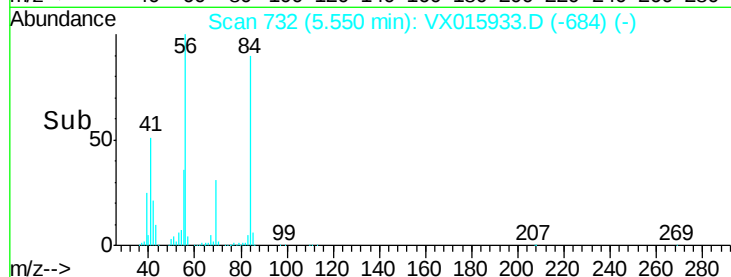
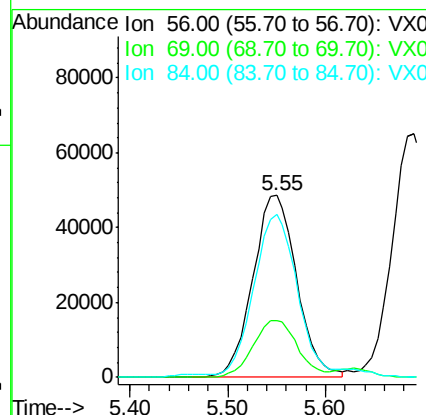
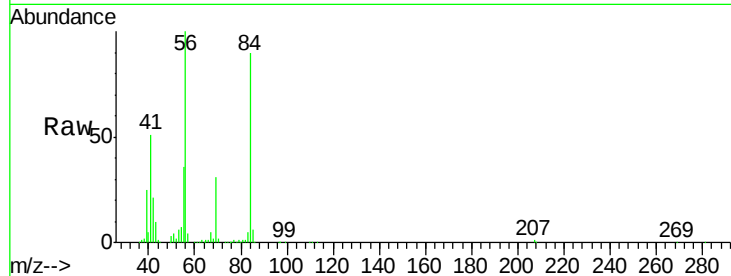
#31
Cyclohexane
Concen: 48.456 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.4	38.0
84	88.1	69.5	104.3

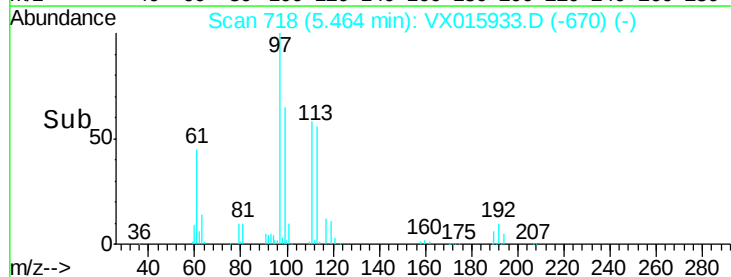
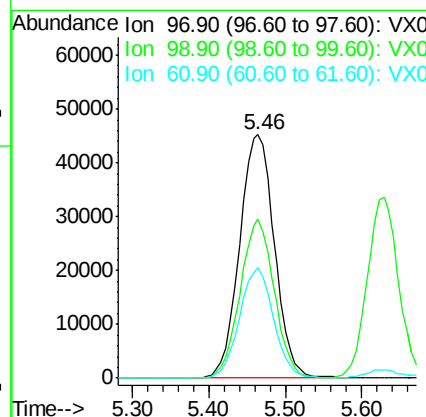
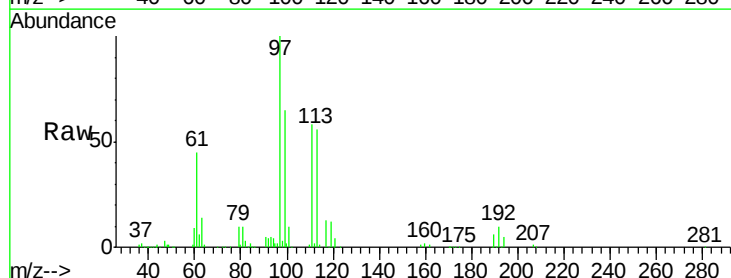
Manual Integrations
APPROVED

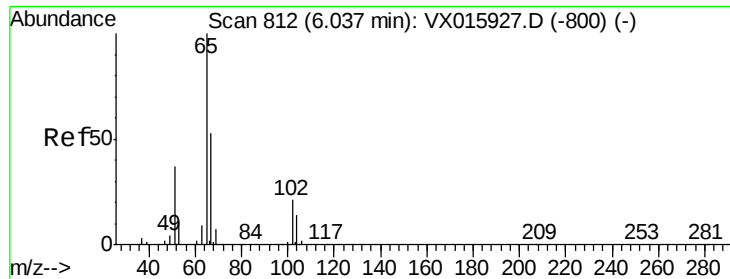
MMDadoda
4/27/2020 12:40:02 PM



#32
1,1,1-Trichloroethane
Concen: 48.178 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.1	76.7
61	44.4	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 47.052 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 97964

Ion Ratio Lower Upper

65 100

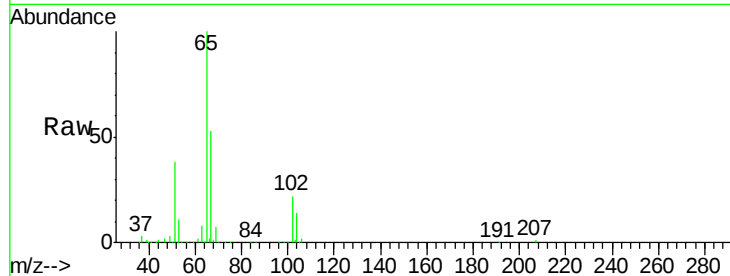
67 53.1 0.0 106.6

Manual Integrations

APPROVED

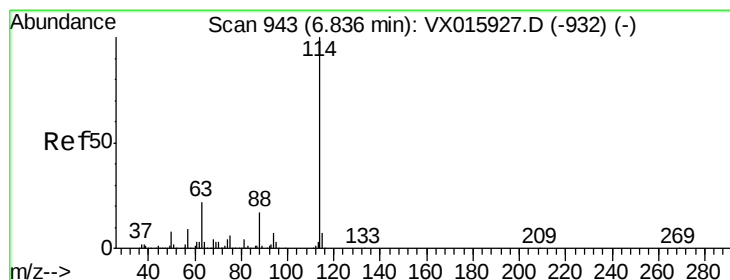
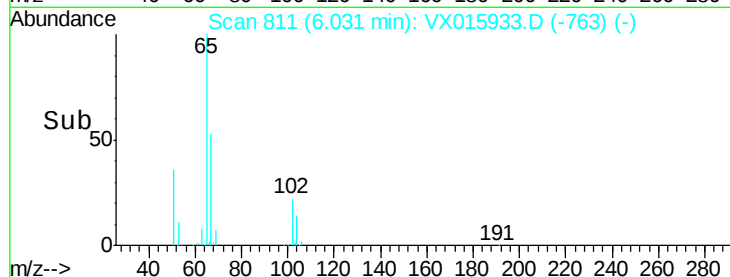
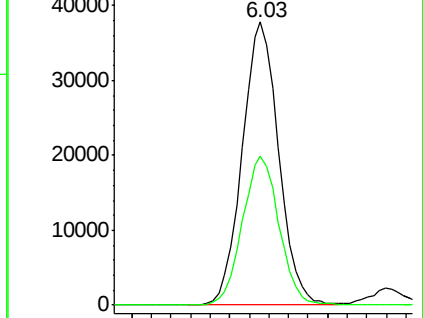
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

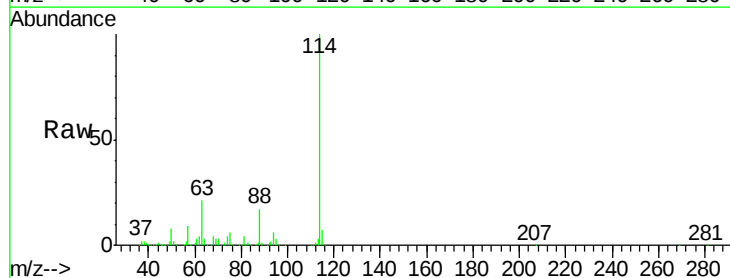
Tgt Ion: 114 Resp: 267402

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.4

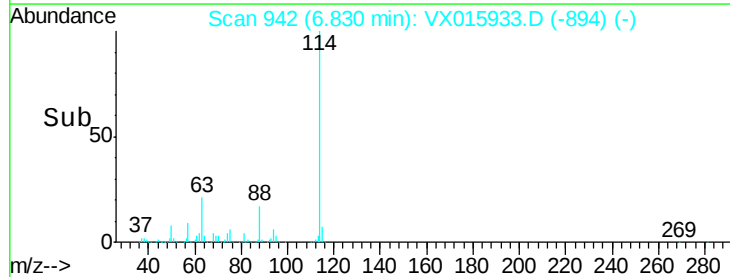
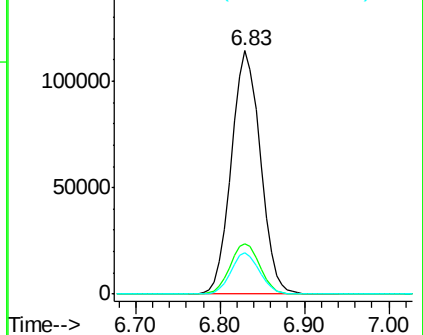
88 17.1 0.0 34.2

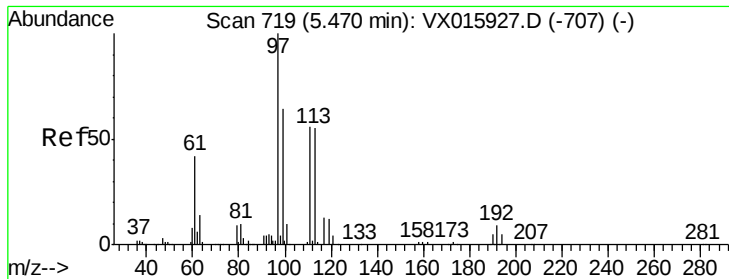


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.831 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

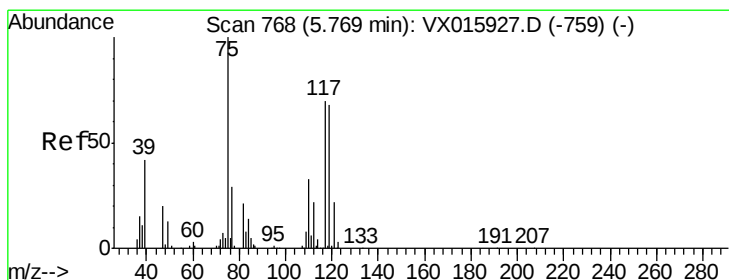
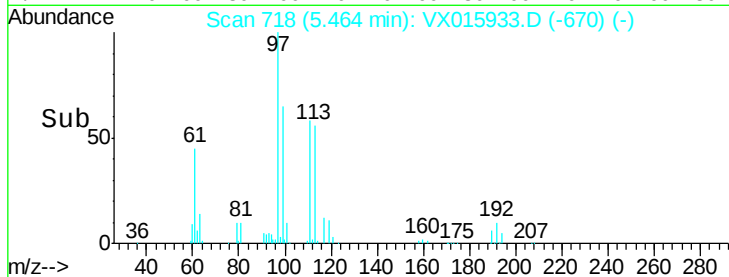
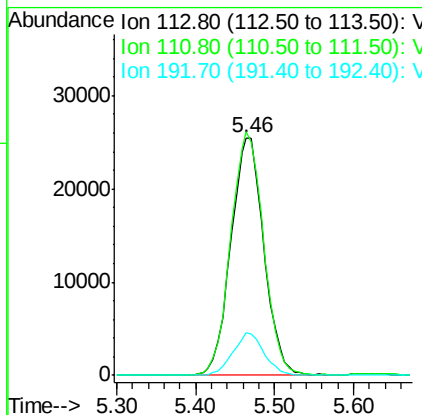
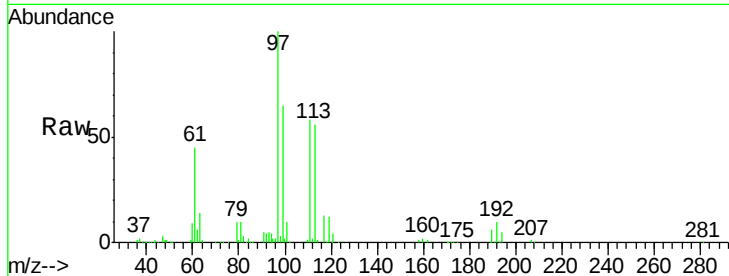
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	74130
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.2	121.8
192	17.0	13.6	20.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.012 ug/l

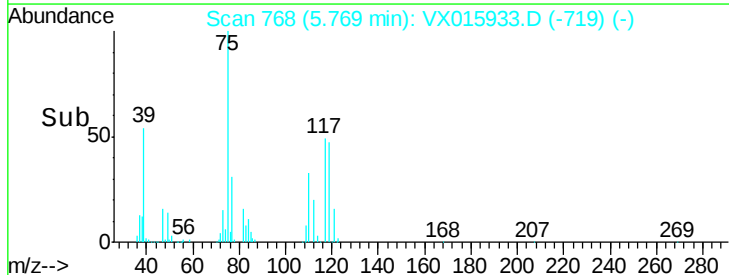
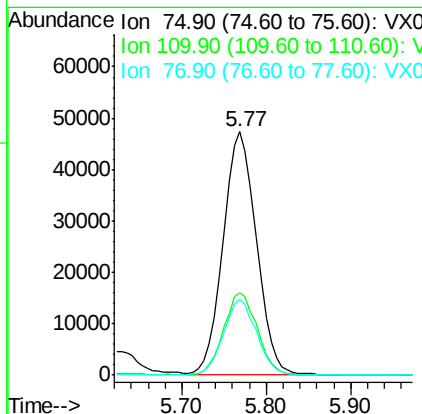
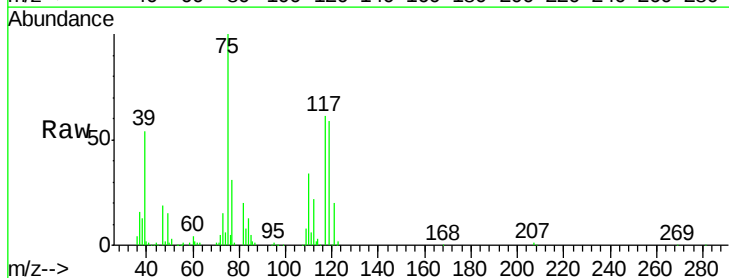
RT: 5.77 min Scan# 768

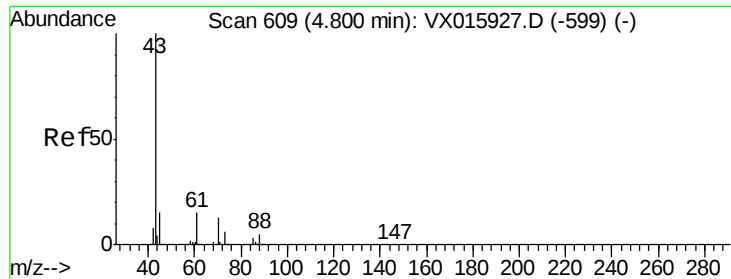
Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Tgt Ion:	75	Resp:	127630
Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.1	51.3
77	31.0	25.0	37.4





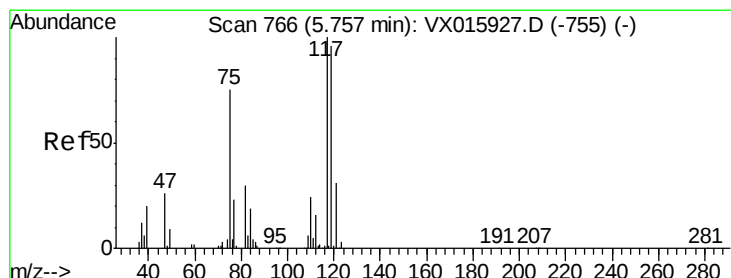
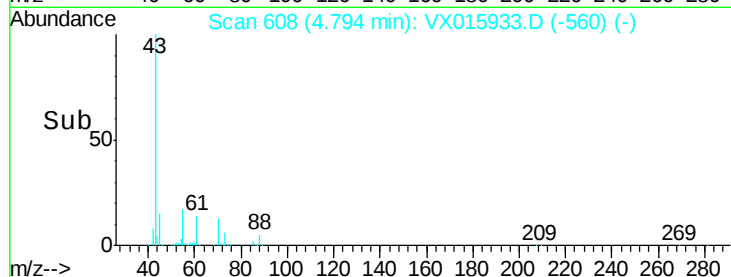
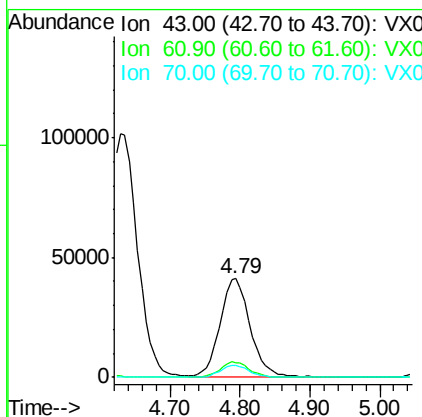
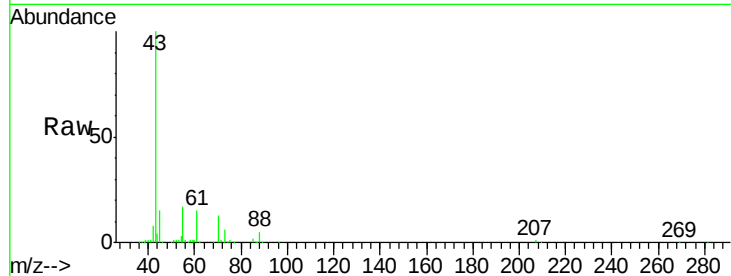
#37
Ethyl Acetate
Concen: 47.417 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	121383
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.6	17.4
70	12.2	9.8	14.6

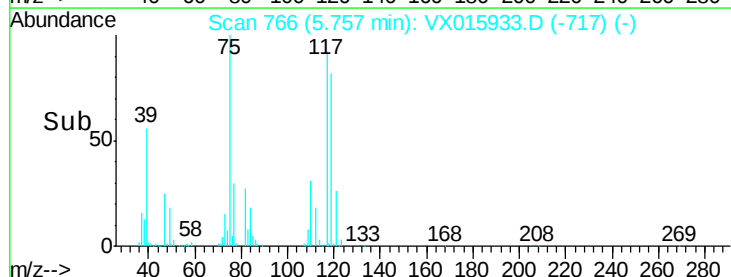
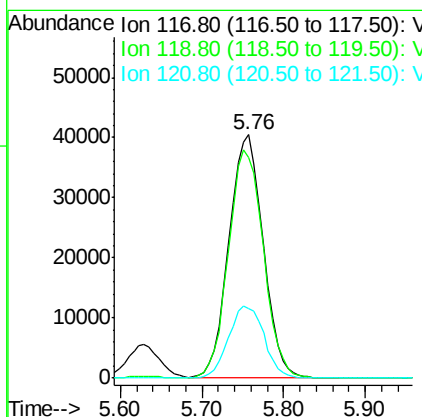
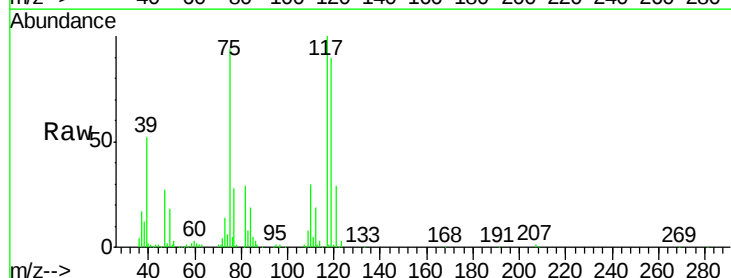
Manual Integrations
APPROVED

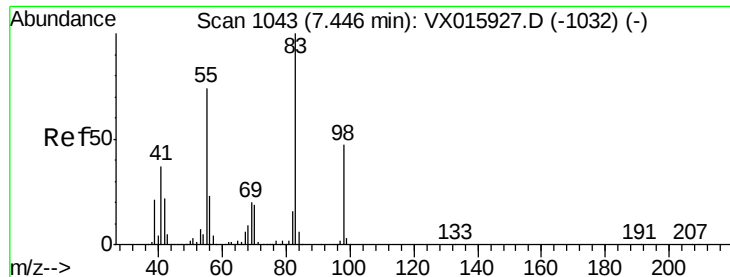
MMDadoda
4/27/2020 12:40:02 PM



#38
Carbon Tetrachloride
Concen: 50.328 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion:	117	Resp:	117368
Ion	Ratio	Lower	Upper
117	100		
119	90.3	77.0	115.6
121	28.8	25.0	37.4





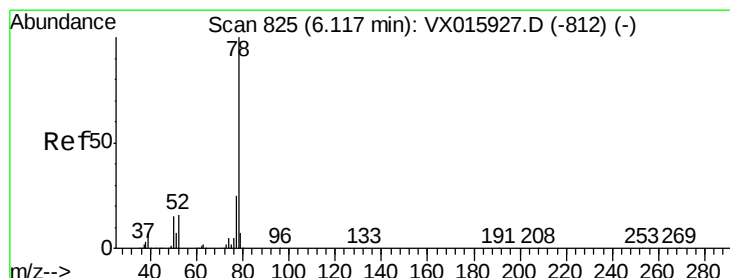
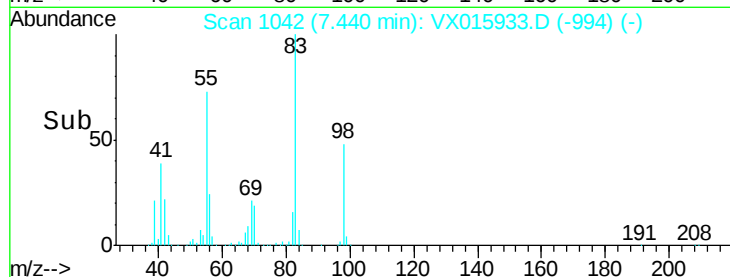
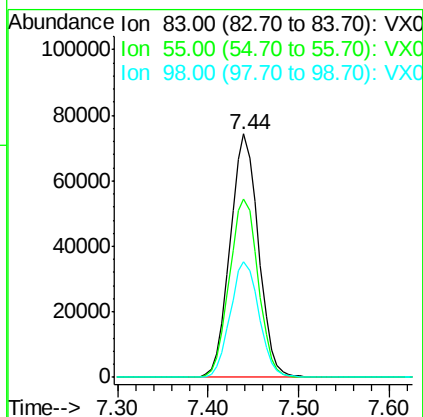
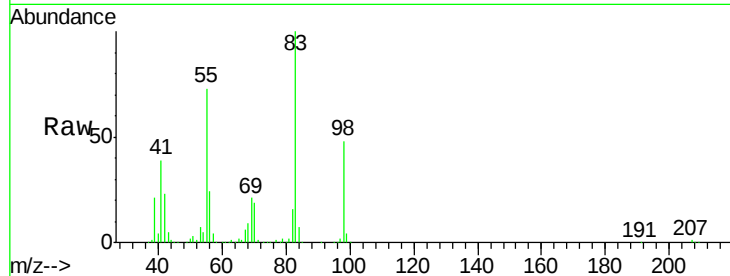
#39
Methvlcvclohexane
Concen: 52.018 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	160918		
55	73.5		59.0	88.4
98	47.8		37.4	56.0

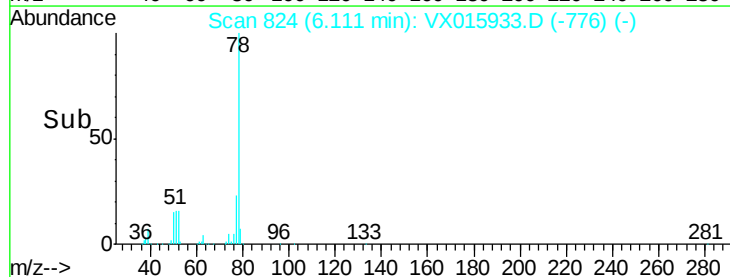
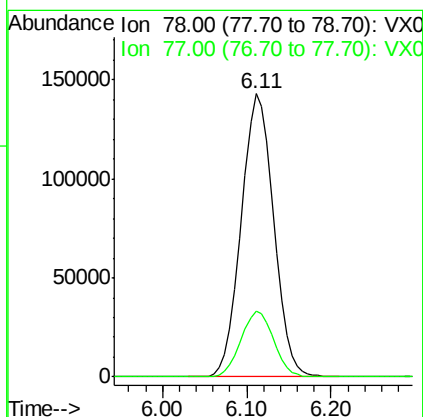
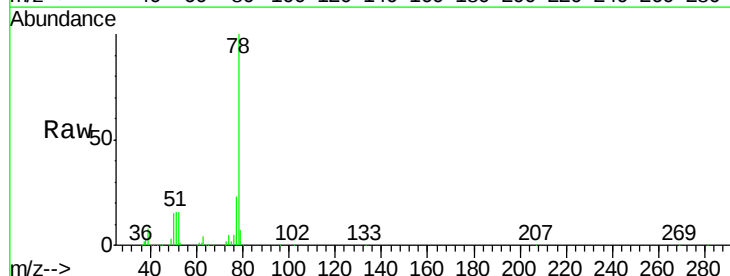
Manual Integrations
APPROVED

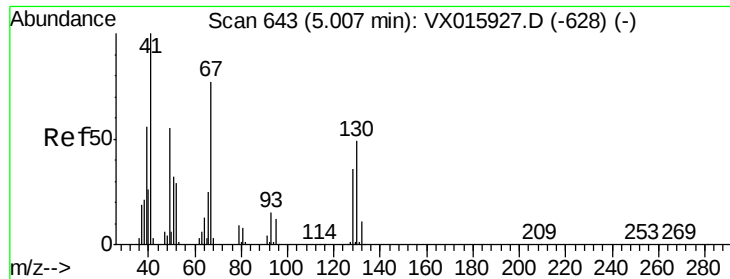
MMDadoda
4/27/2020 12:40:02 PM



#40
Benzene
Concen: 50.098 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	374162		
77	23.3		19.8	29.8





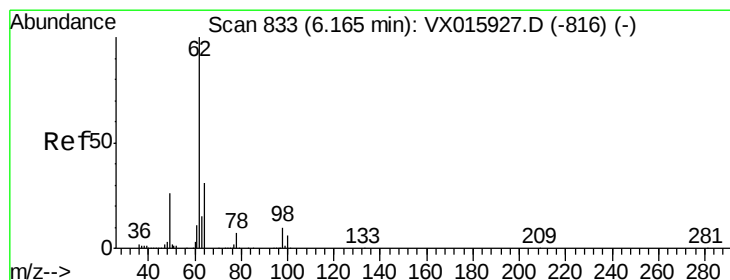
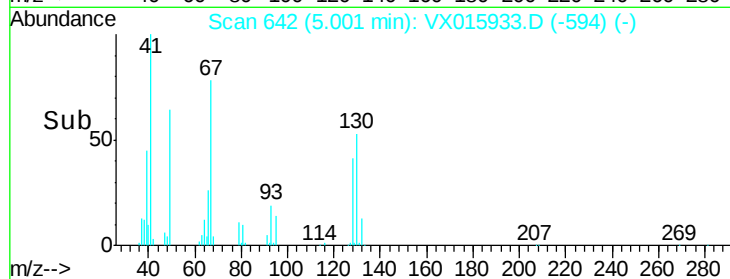
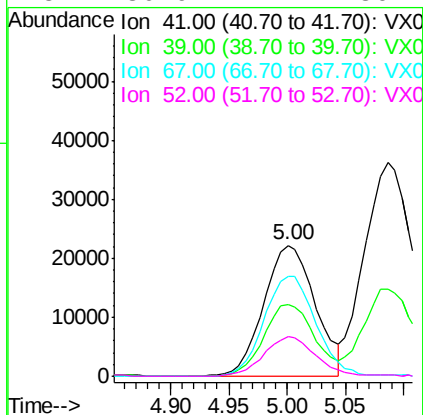
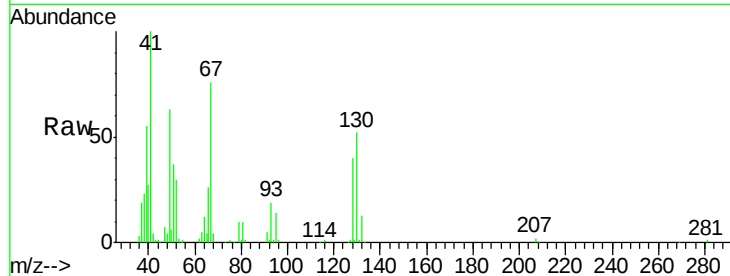
#41
Methacrylonitrile
Concen: 46.552 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		67550		
39	54.8	42.8	64.2		
67	78.2	62.0	93.0		
52	30.9	24.2	36.4		

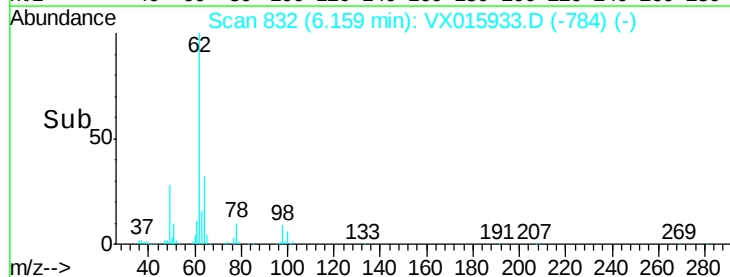
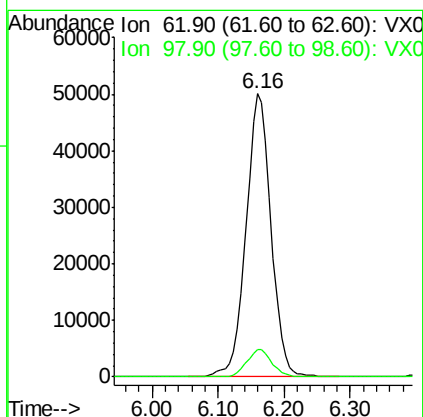
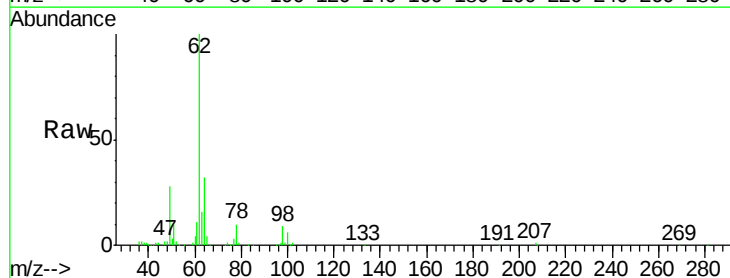
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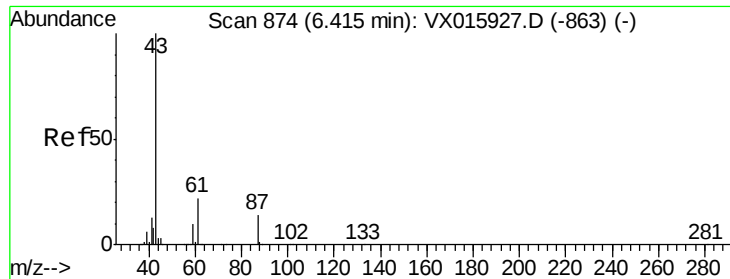
MMDadoda
4/27/2020 12:40:02 PM



#42
1,2-Dichloroethane
Concen: 50.501 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		131992		
98	9.5	0.0	20.0		





#43

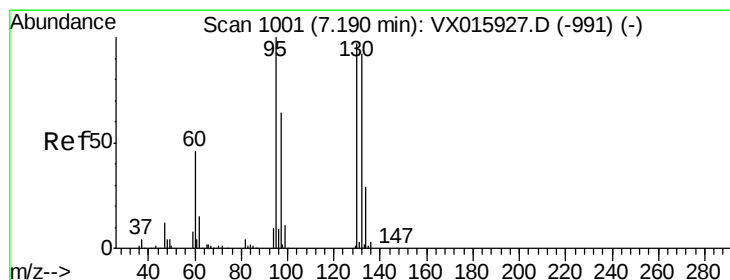
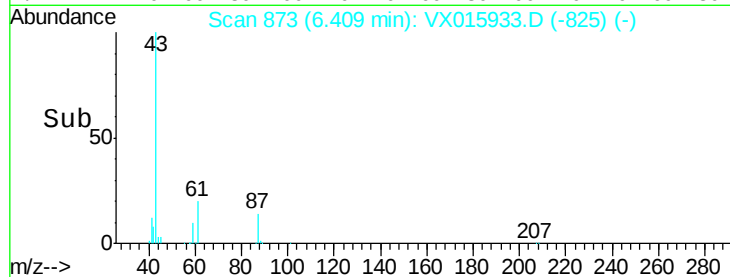
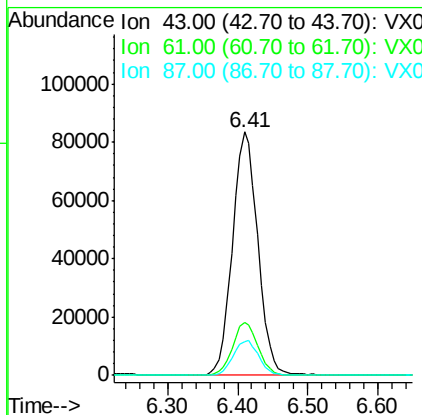
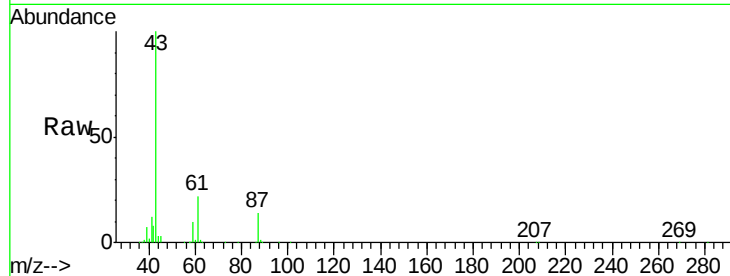
Isopropyl Acetate
 Concen: 49.564 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX015933.D
 Acq: 24 Apr 2020 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.6	26.4
87	14.4	11.6	17.4

Manual Integrations
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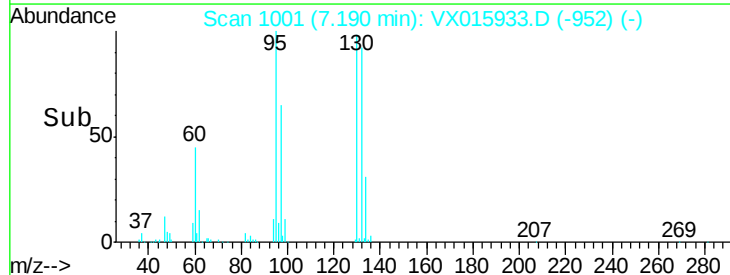
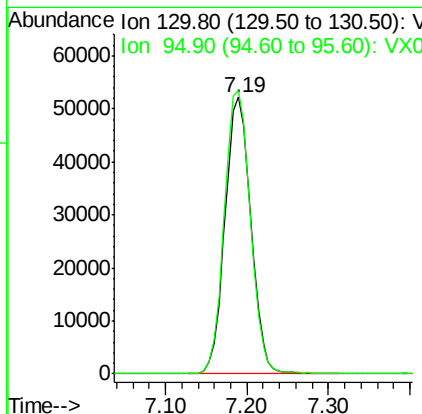
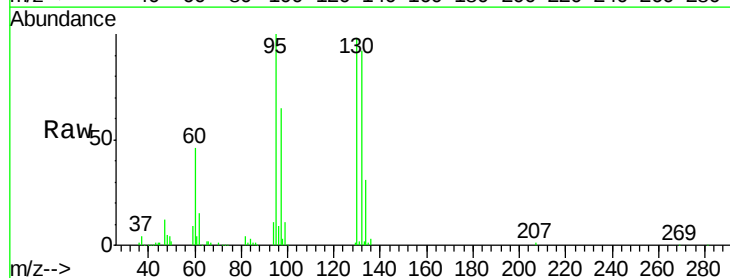
MMDadoda
 4/27/2020 12:40:02 PM

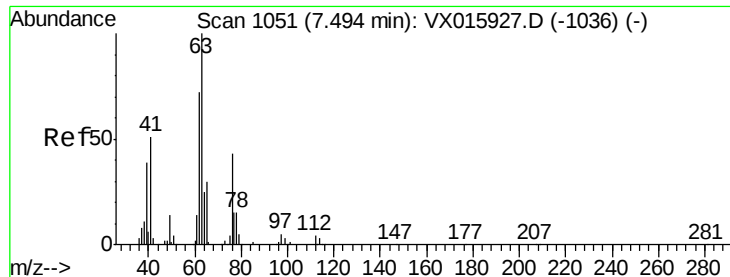


#44

Trichloroethene
 Concen: 49.653 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX015933.D
 Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	205.2





#45

1,2-Dichloropropane

Concen: 49.899 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 95363

Ion Ratio Lower Upper

63 100

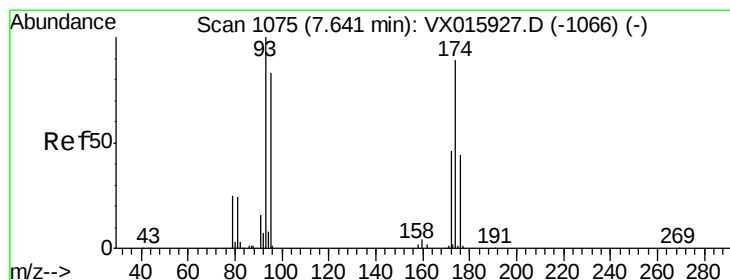
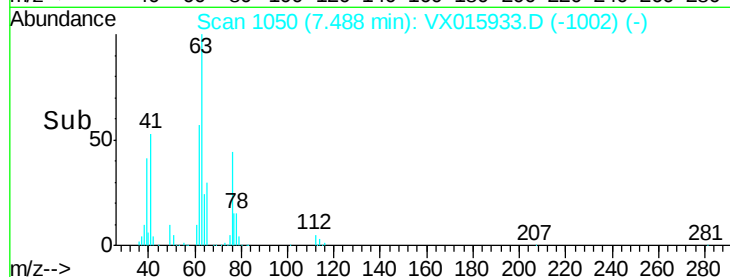
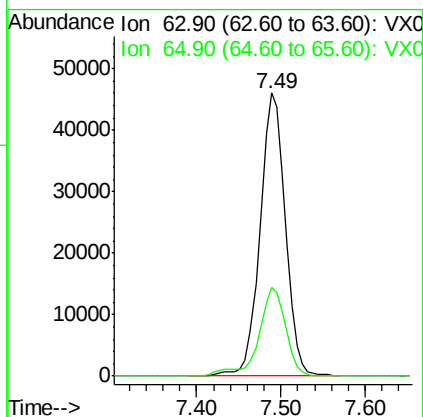
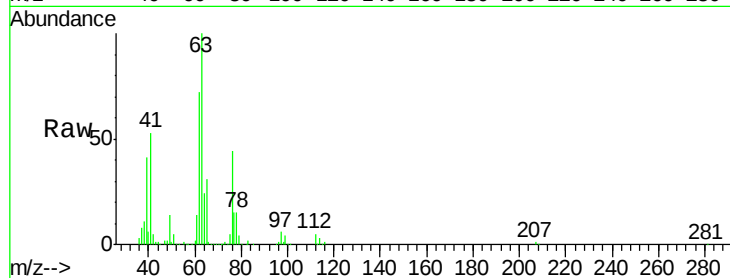
65 31.4 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 49.530 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

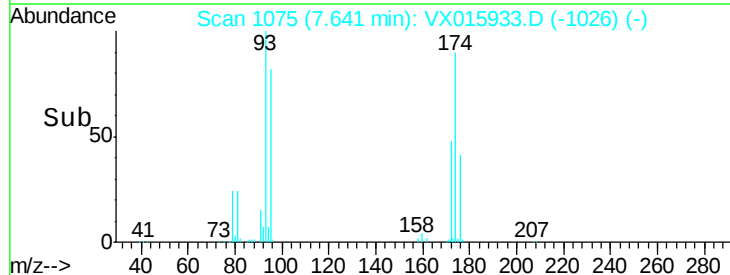
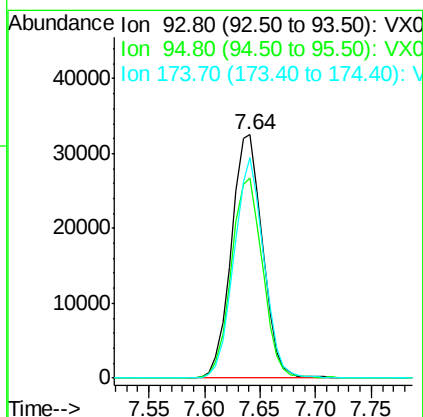
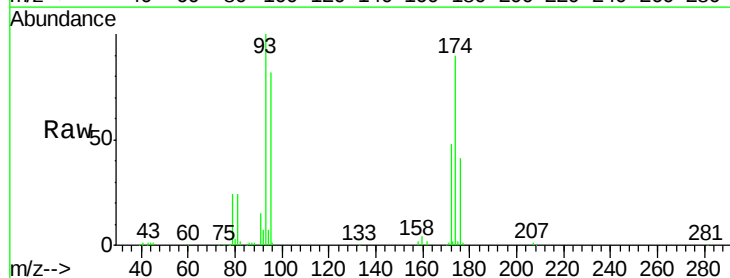
Tgt Ion: 93 Resp: 63214

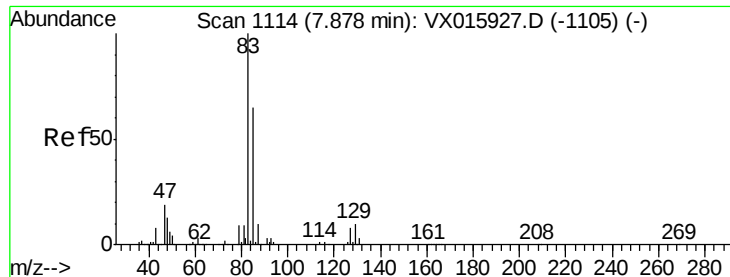
Ion Ratio Lower Upper

93 100

95 82.4 65.7 98.5

174 86.7 70.6 105.8





#47

Bromodichloromethane

Concen: 50.537 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

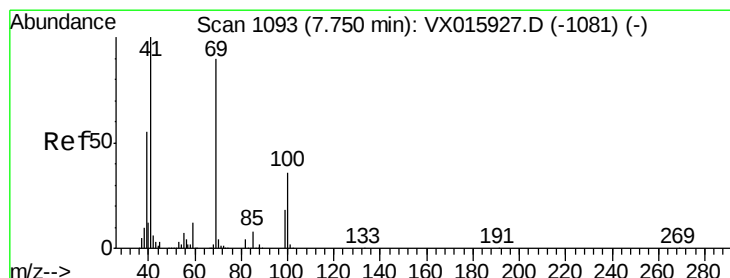
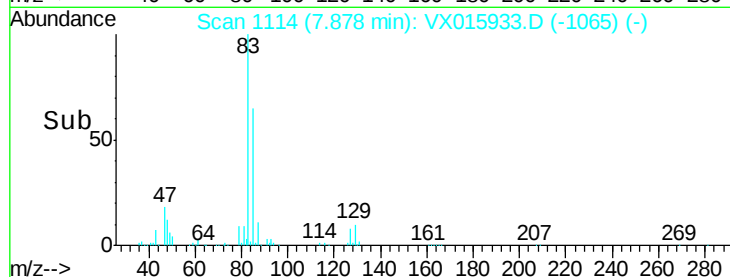
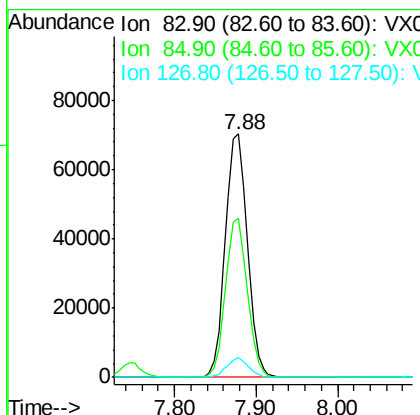
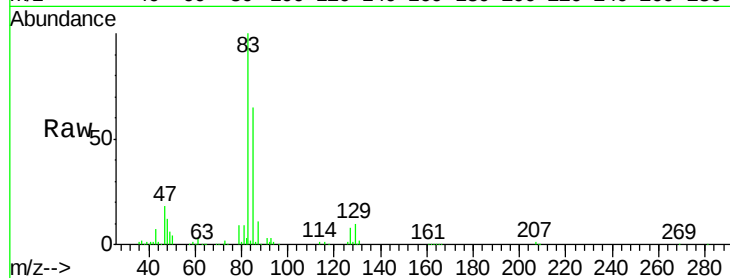
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	131257
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.6	77.4
127	8.0	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.073 ug/l

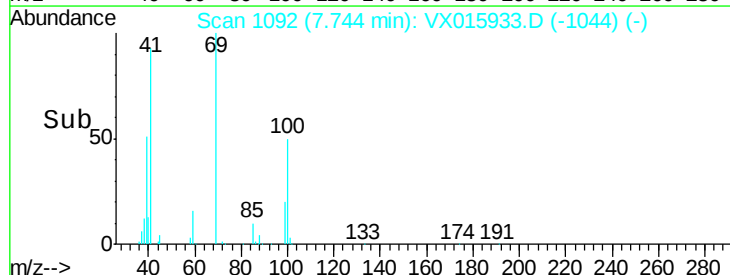
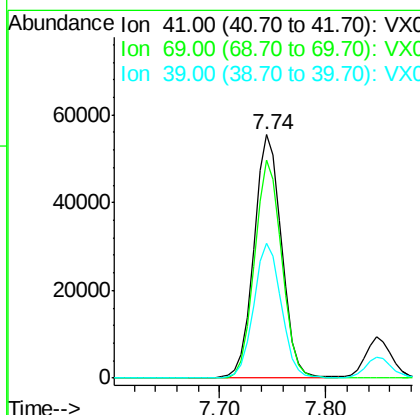
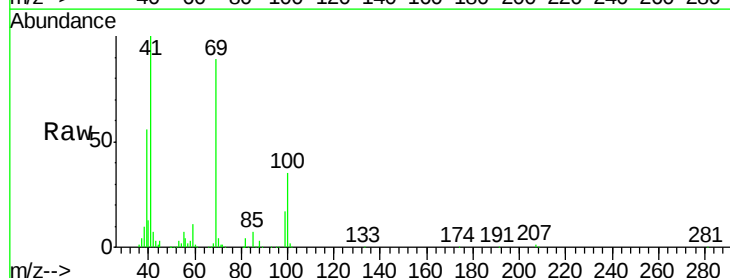
RT: 7.74 min Scan# 1092

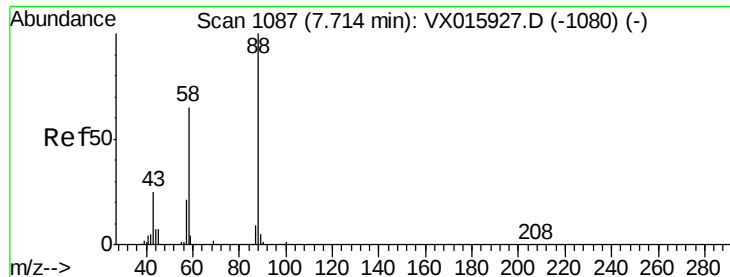
Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Tgt Ion:	41	Resp:	101485
Ion Ratio	Lower	Upper	
41	100		
69	88.0	72.0	108.0
39	54.9	44.1	66.1





#49

1,4-Dioxane

Concen: 906.487 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

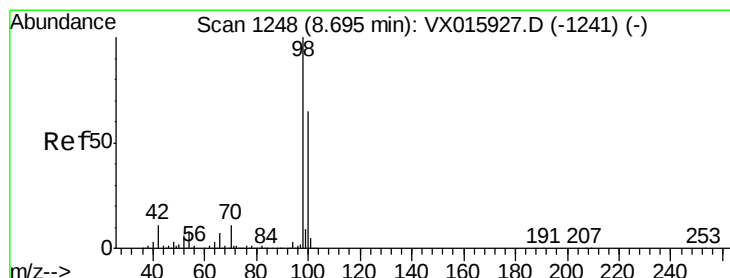
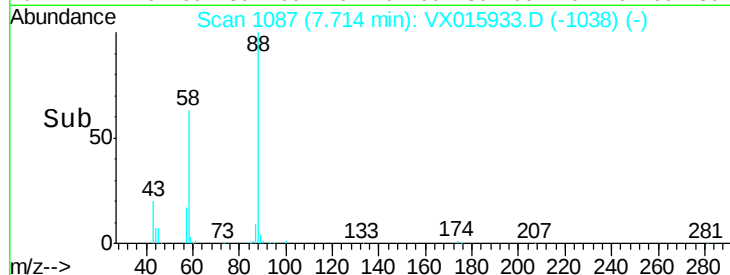
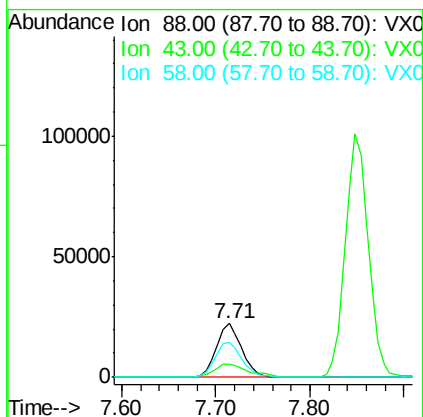
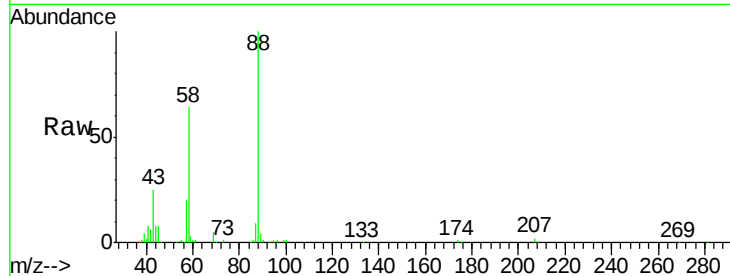
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	41694
Ion	Ratio	Lower	Upper
88	100		
43	30.9	23.8	35.8
58	69.6	55.7	83.5

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#50

Toluene-d8

Concen: 49.004 ug/l

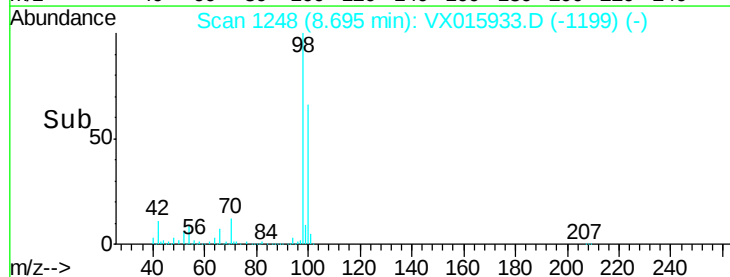
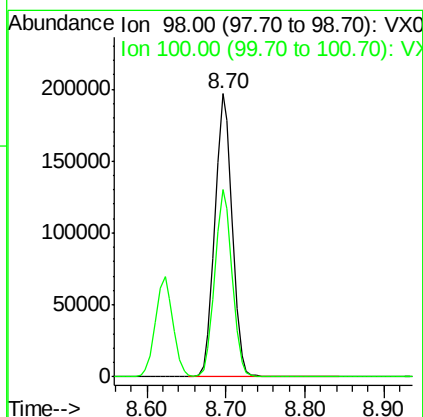
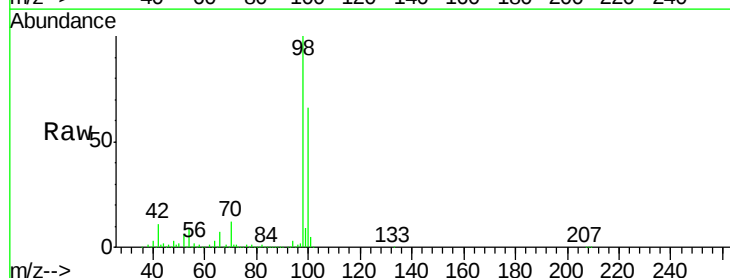
RT: 8.70 min Scan# 1248

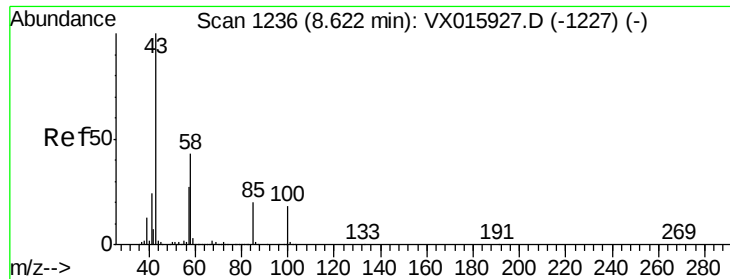
Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Tgt Ion:	98	Resp:	302565
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 243.874 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 601281

Ion Ratio Lower Upper

43 100

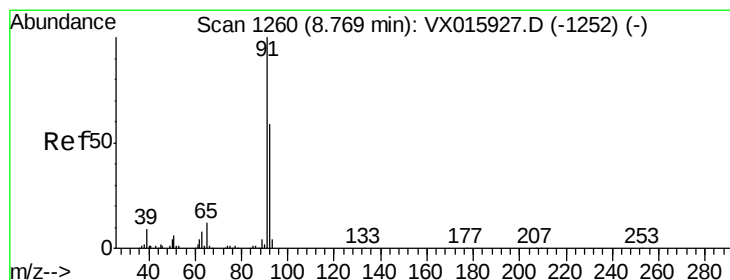
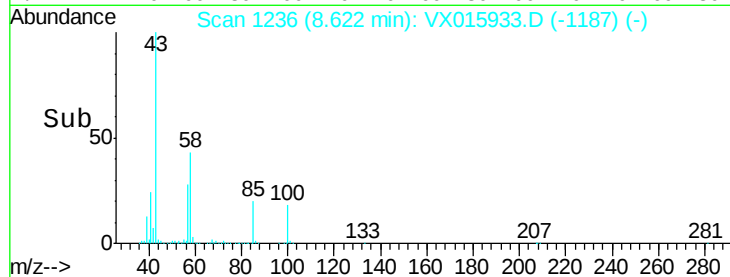
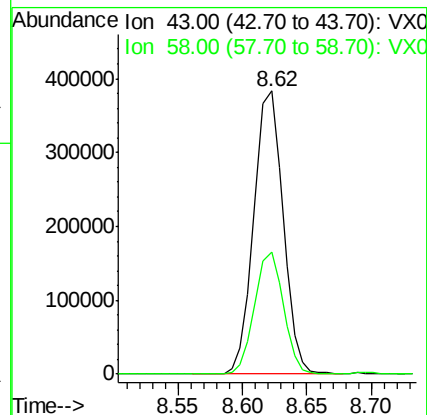
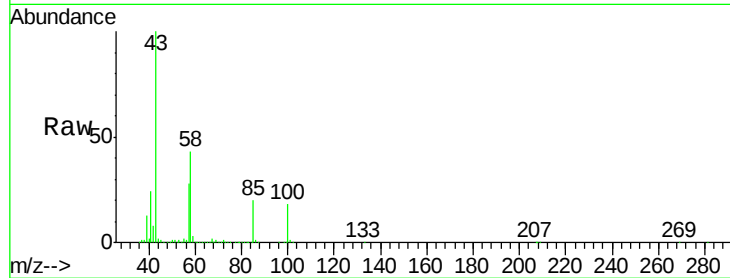
58 42.7 34.2 51.4

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#52

Toluene

Concen: 50.752 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX015933.D

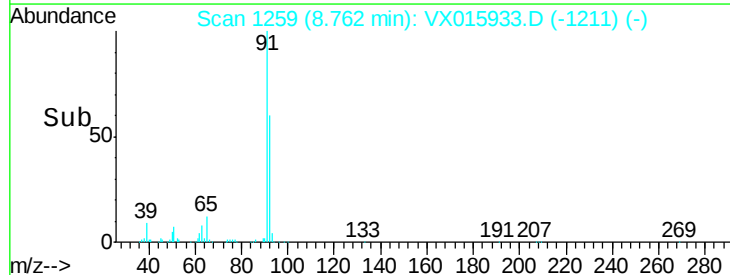
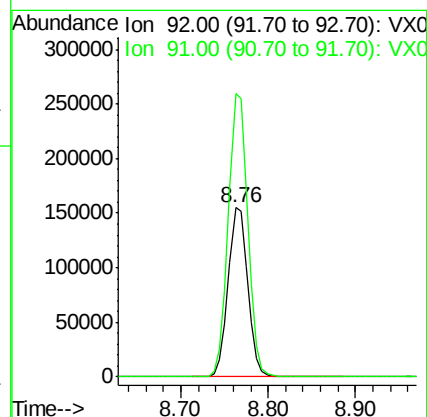
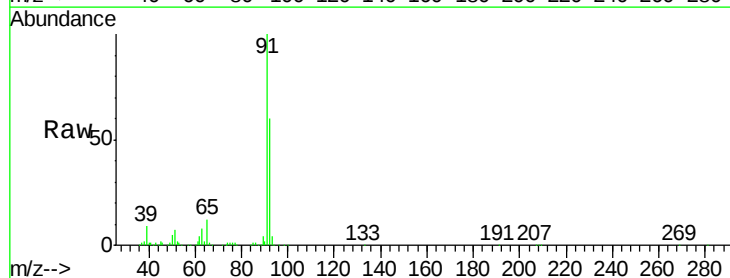
Acq: 24 Apr 2020 16:04

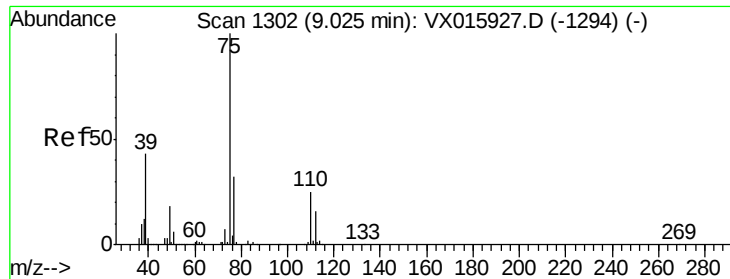
Tgt Ion: 92 Resp: 240454

Ion Ratio Lower Upper

92 100

91 167.3 134.0 201.0





#53

t-1,3-Dichloropropene

Concen: 50.671 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 158690

Ion Ratio Lower Upper

75 100

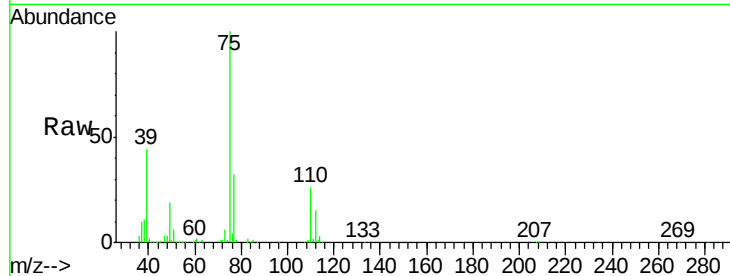
77 31.5 25.9 38.9

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

120000

100000

80000

60000

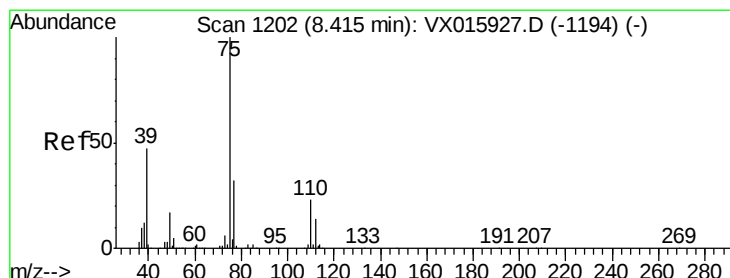
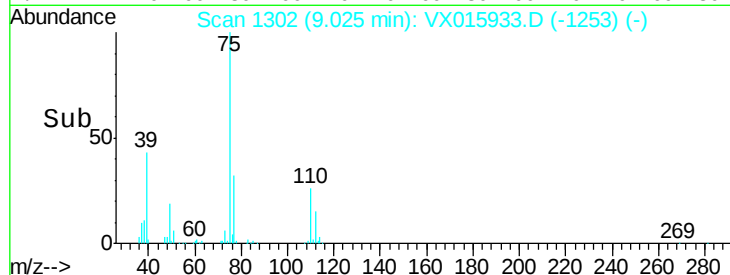
40000

20000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.288 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

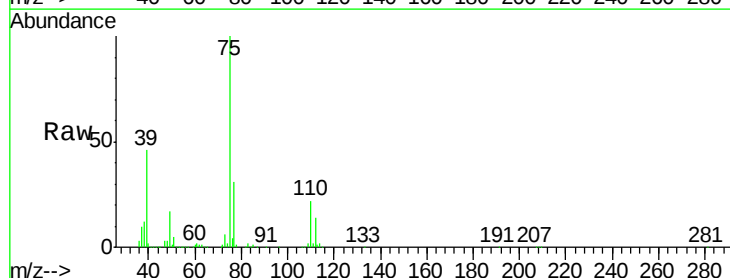
Tgt Ion: 75 Resp: 168031

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

39 45.6 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

150000

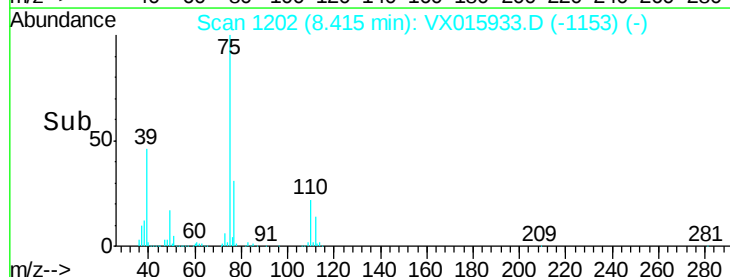
100000

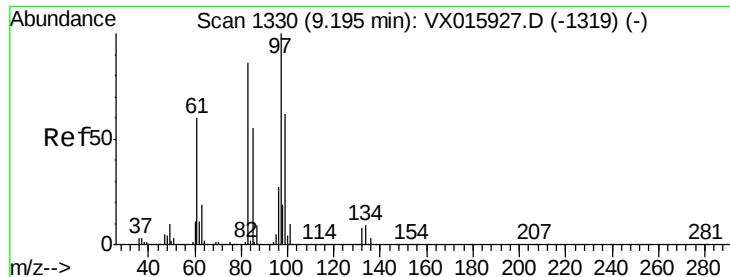
50000

0

8.30 8.40 8.50

Time-->





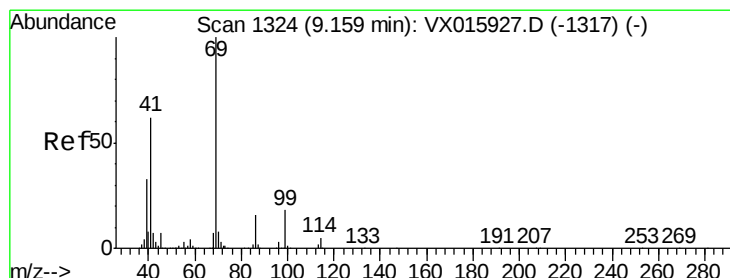
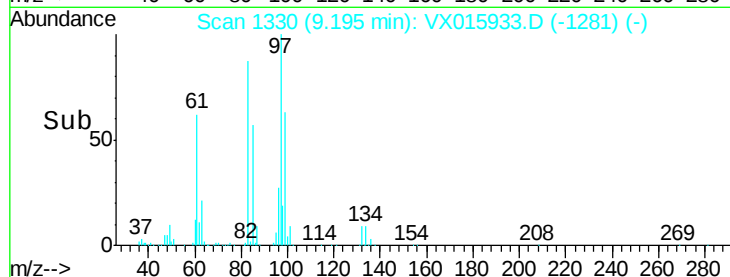
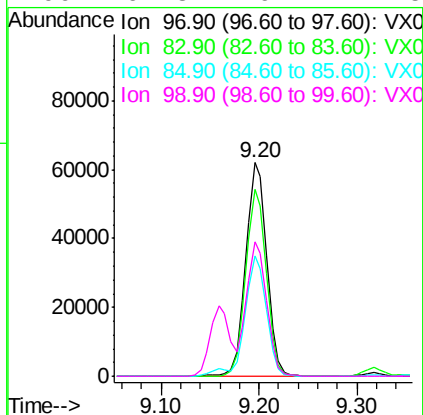
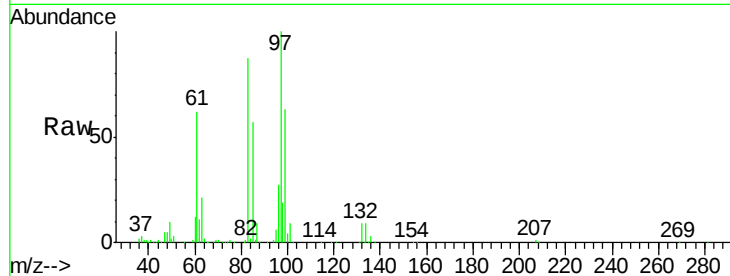
#55
 1,1,2-Trichloroethane
 Concen: 49.047 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015933.D
 Acq: 24 Apr 2020 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	92808
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.6	103.0
85	56.6	44.0	66.0
99	62.8	49.7	74.5

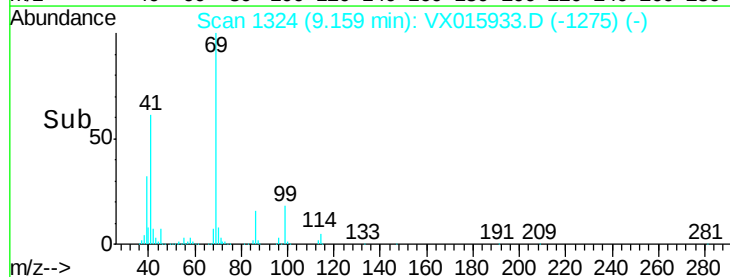
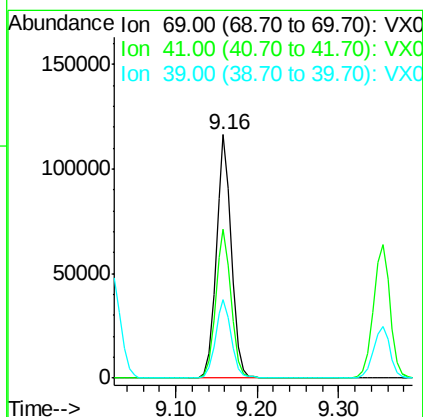
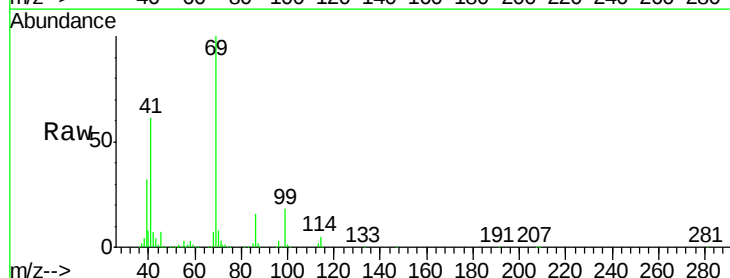
Manual Integrations
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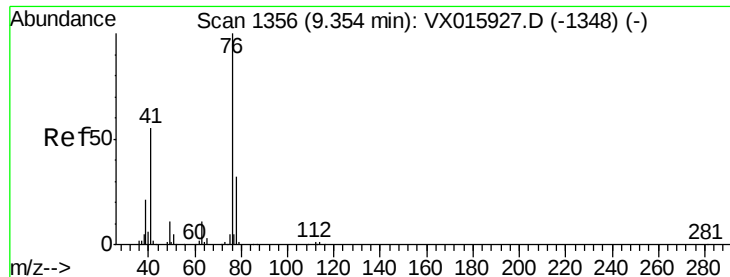
MMDadoda
 4/27/2020 12:40:02 PM



#56
 Ethyl methacrylate
 Concen: 50.051 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015933.D
 Acq: 24 Apr 2020 16:04

Tgt Ion:	69	Resp:	152570
Ion	Ratio	Lower	Upper
69	100		
41	62.6	49.2	73.8
39	33.4	26.0	39.0





#57

1,3-Dichloropropane

Concen: 49.929 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 161639

Ion Ratio Lower Upper

76 100

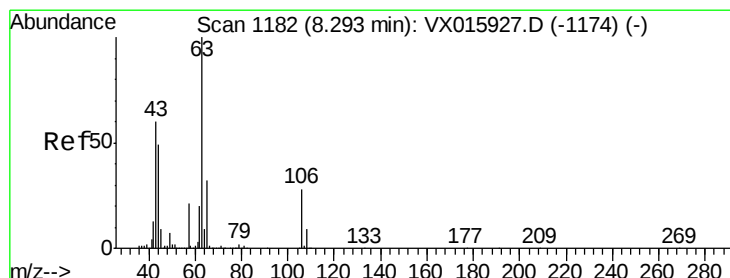
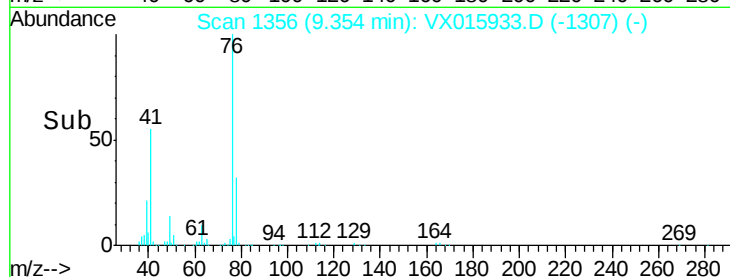
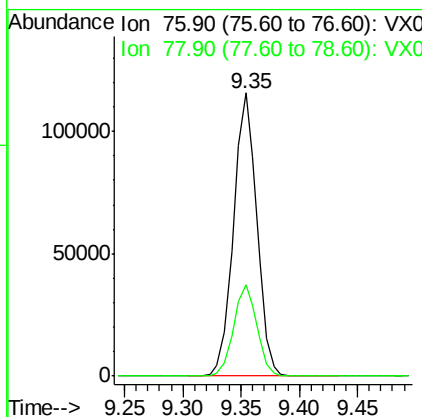
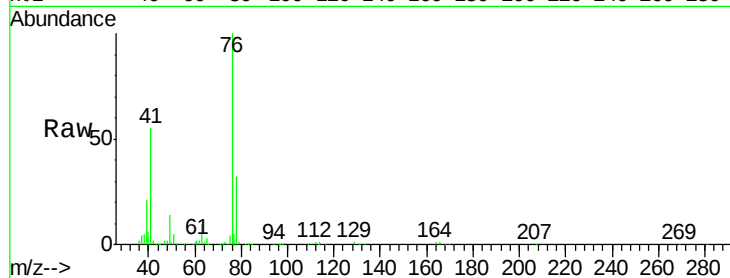
78 32.3 25.6 38.4

Manual Integrations

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MMDadoda

4/27/2020 12:40:02 PM



#58

2-Chloroethyl Vinyl ether

Concen: 260.503 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX015933.D

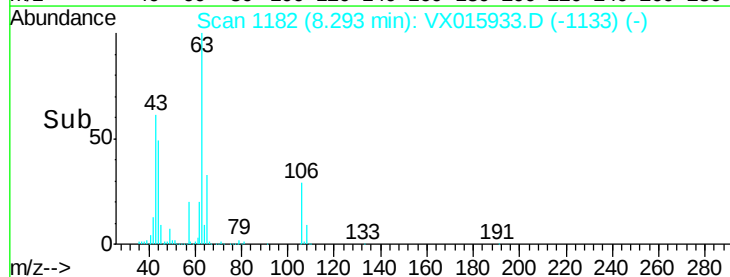
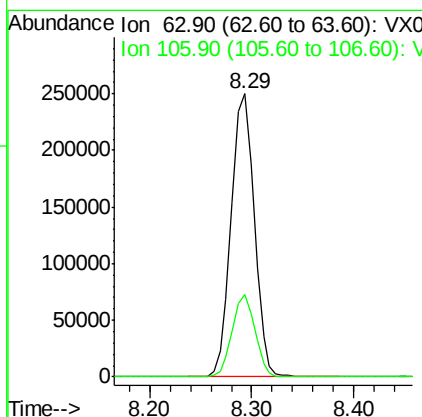
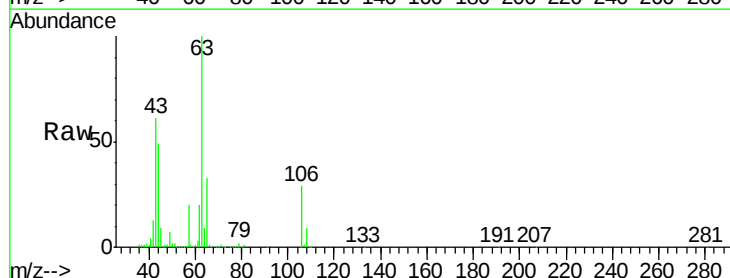
Acq: 24 Apr 2020 16:04

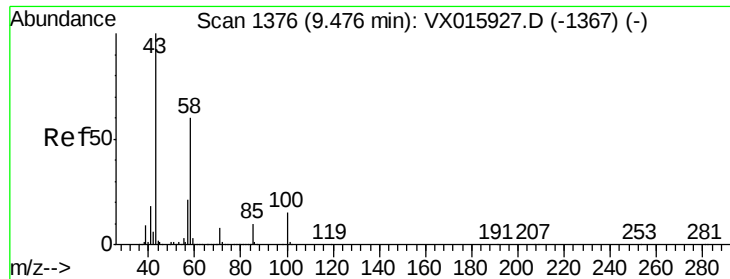
Tgt Ion: 63 Resp: 392393

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6





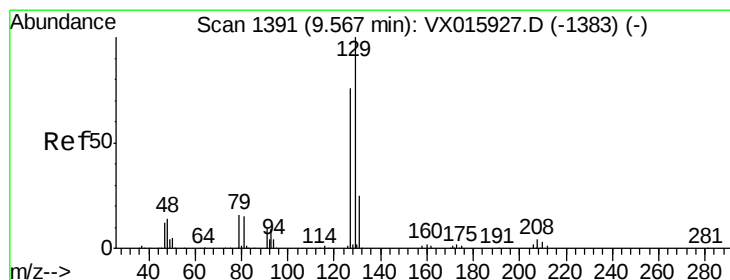
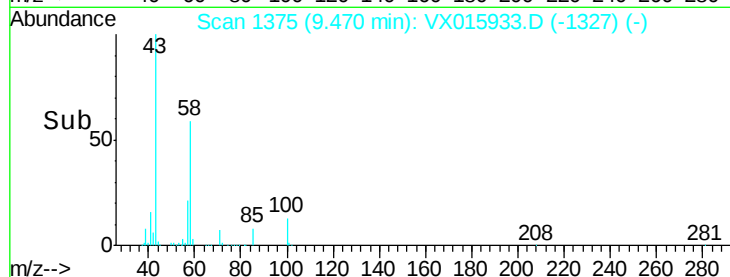
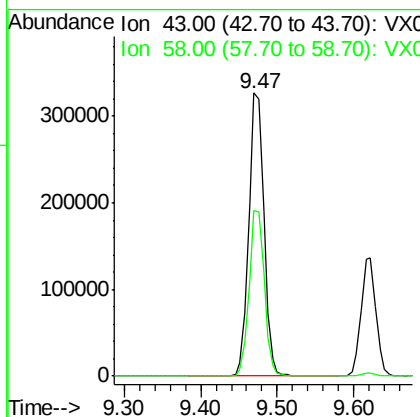
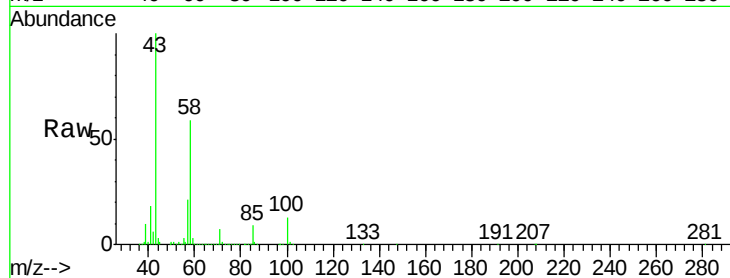
#59
2-Hexanone
Concen: 241.418 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 451968
Ion Ratio Lower Upper
43 100
58 58.9 29.7 89.1

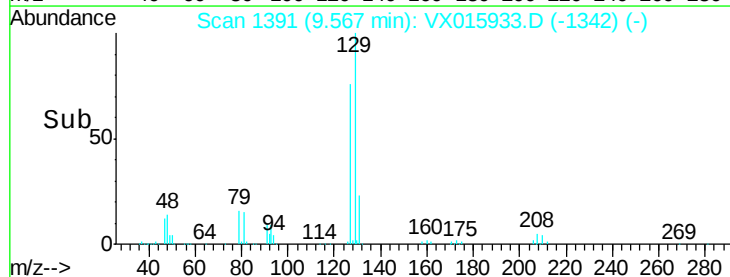
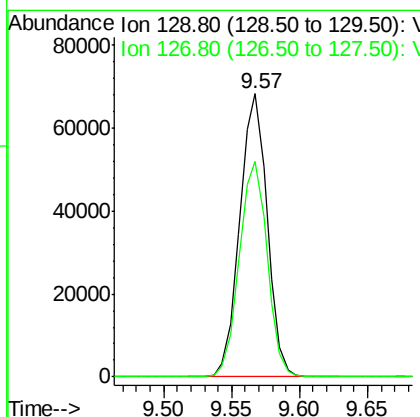
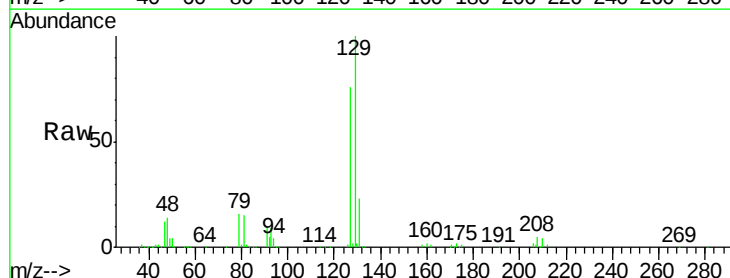
Manual Integrations
APPROVED

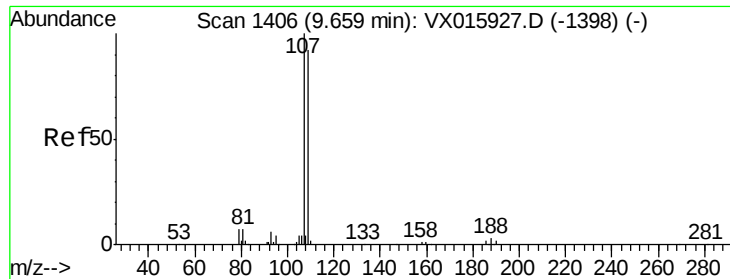
MMDadoda
4/27/2020 12:40:02 PM



#60
Dibromochloromethane
Concen: 51.291 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion: 129 Resp: 96380
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.3





#61

1,2-Dibromoethane

Concen: 50.129 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 98110

Ion Ratio Lower Upper

107 100

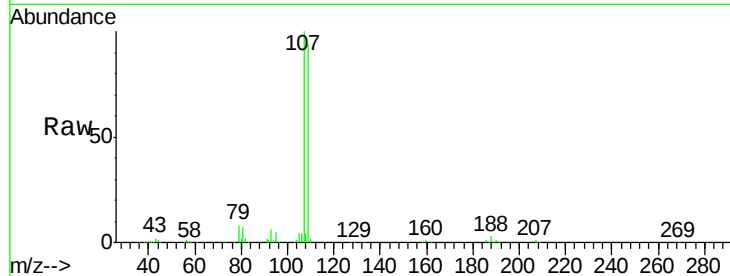
109 93.6 75.1 112.7

Manual Integrations

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4/27/2020 12:40:02 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

80000

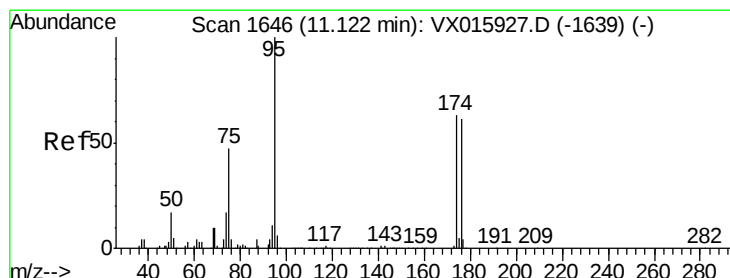
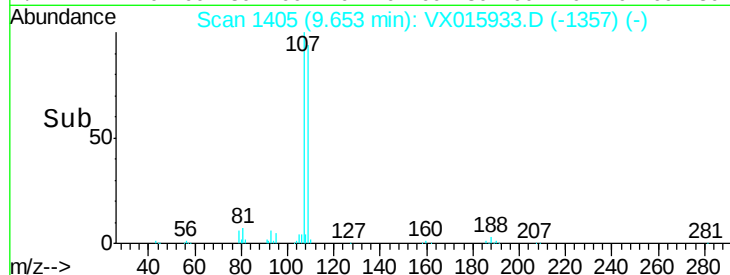
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.035 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

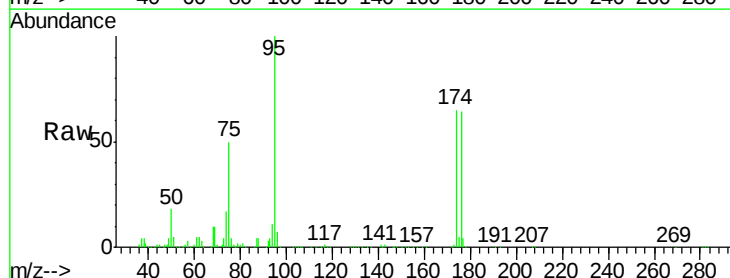
Tgt Ion: 95 Resp: 120296

Ion Ratio Lower Upper

95 100

174 64.6 0.0 133.6

176 62.3 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

120000

100000

80000

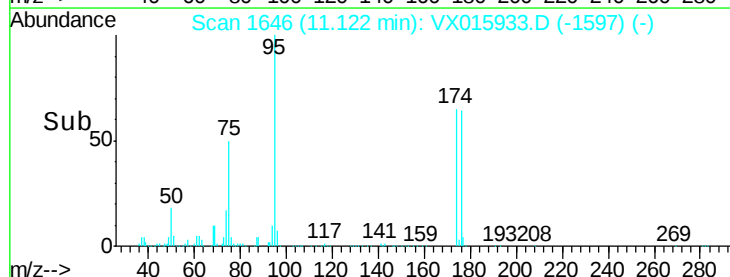
60000

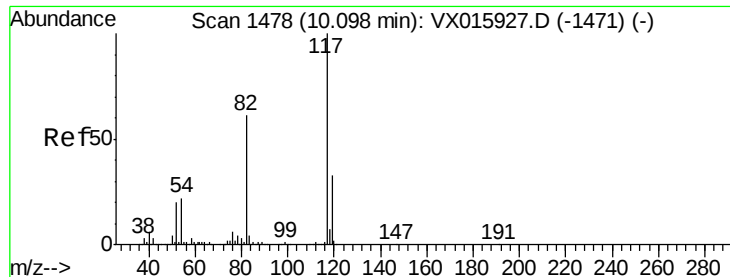
40000

20000

0

Time-->





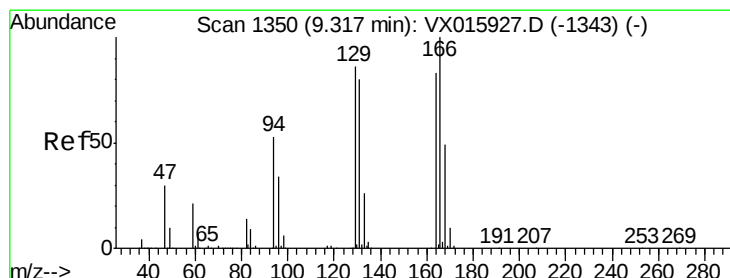
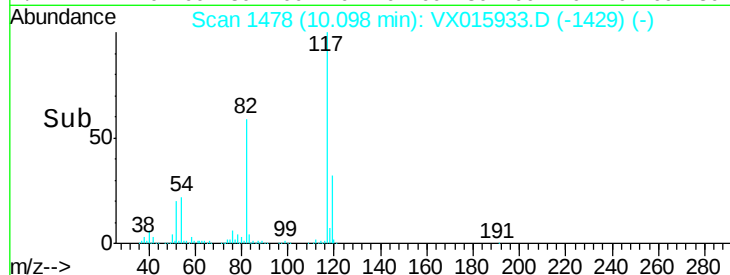
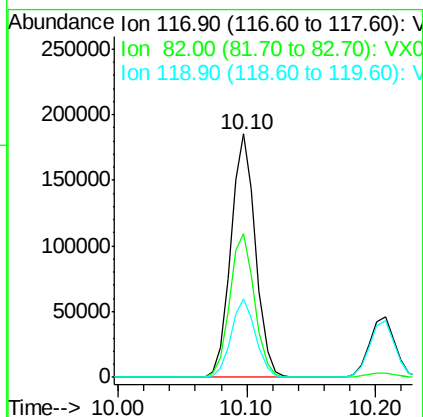
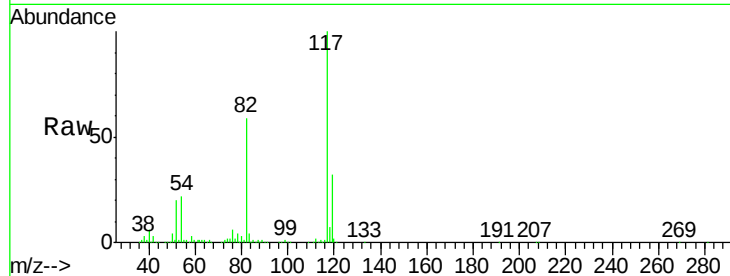
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	246932		
82	59.3	48.5	72.7	
119	32.4	26.2	39.4	

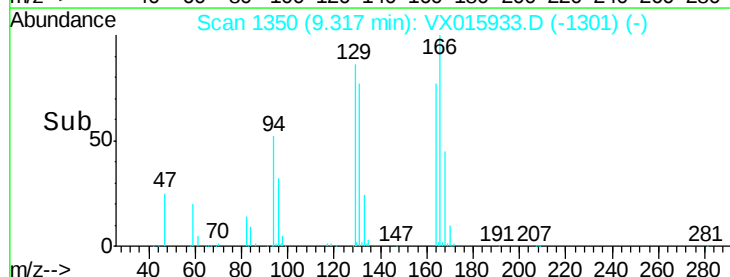
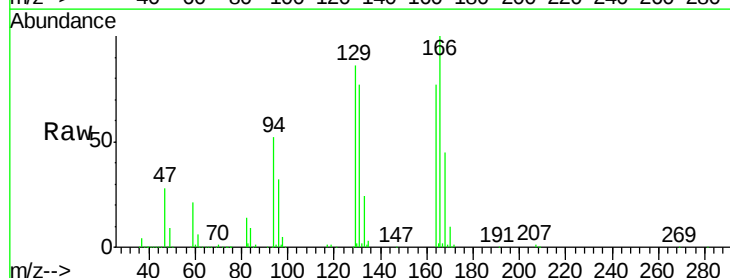
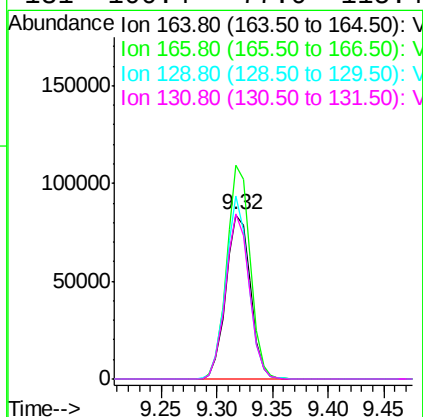
Manual Integrations
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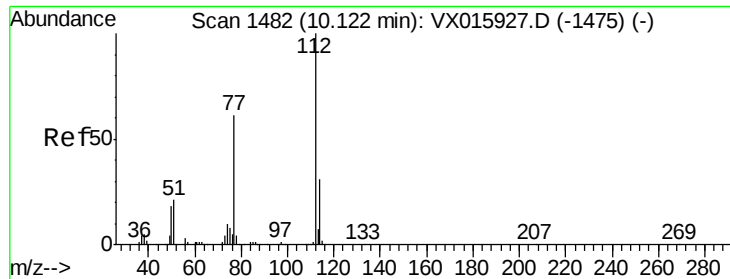
MMDadoda
4/27/2020 12:40:02 PM



#64
Tetrachloroethene
Concen: 51.778 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	127227		
166	130.1	96.7	145.1	
129	111.4	82.8	124.2	
131	100.4	77.0	115.4	





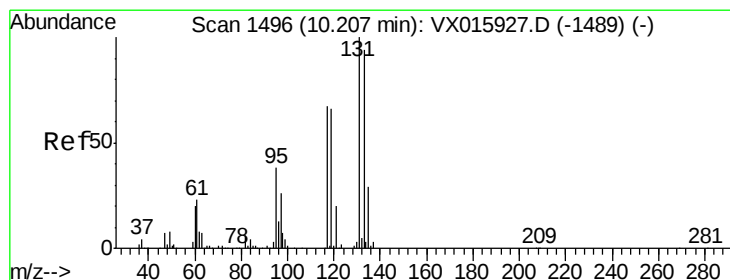
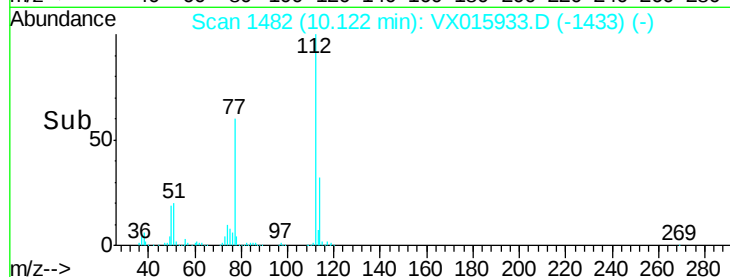
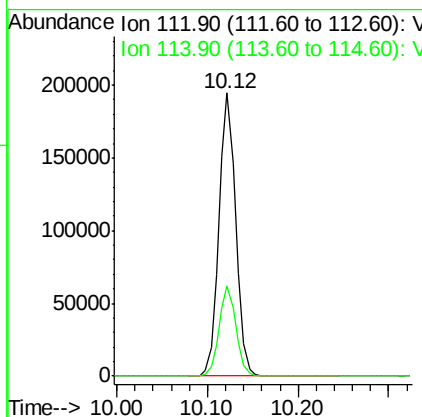
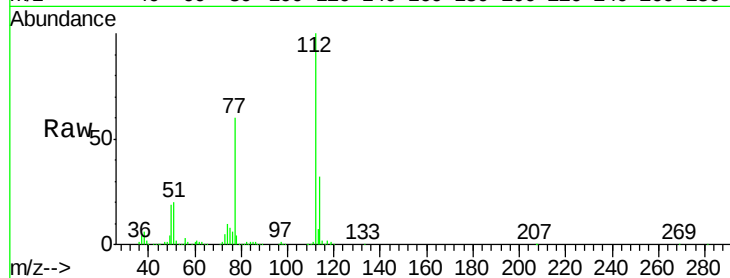
#65
Chlorobenzene
Concen: 51.280 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 251400
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

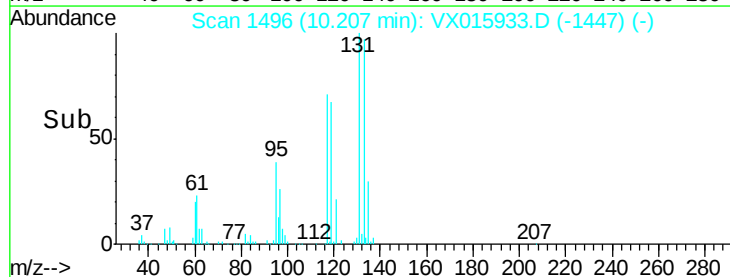
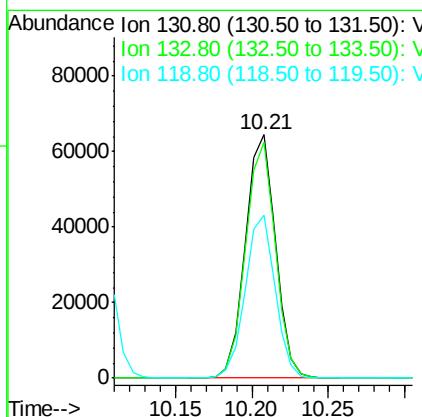
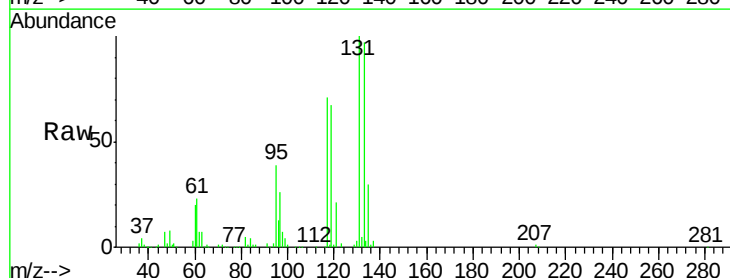
Manual Integrations
APPROVED

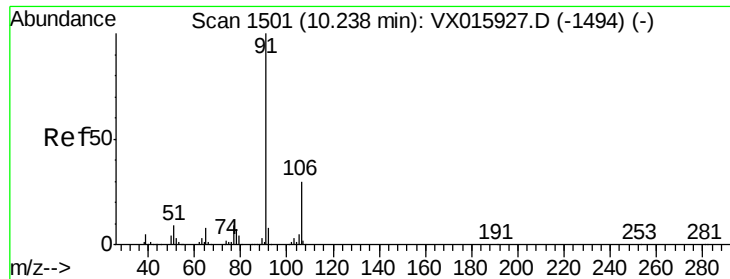
MMDadoda
4/27/2020 12:40:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.912 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion:131 Resp: 88446
Ion Ratio Lower Upper
131 100
133 95.5 46.7 140.0
119 66.6 33.7 101.0





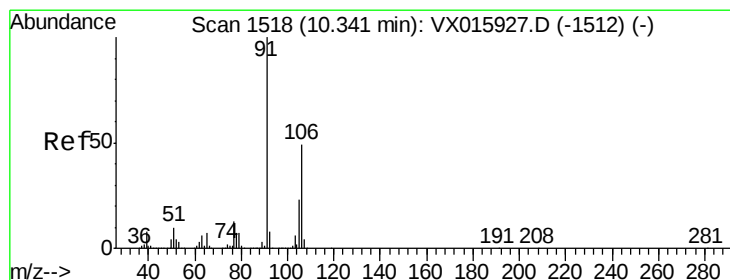
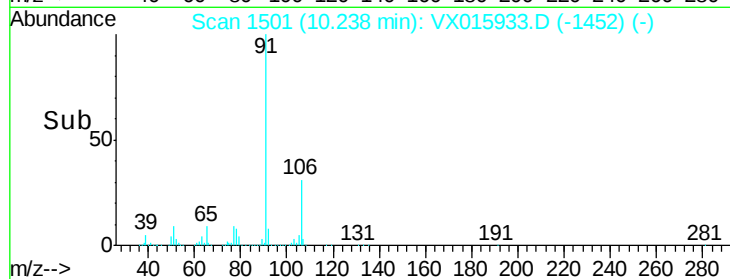
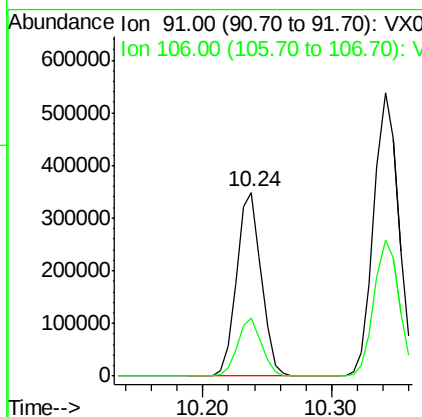
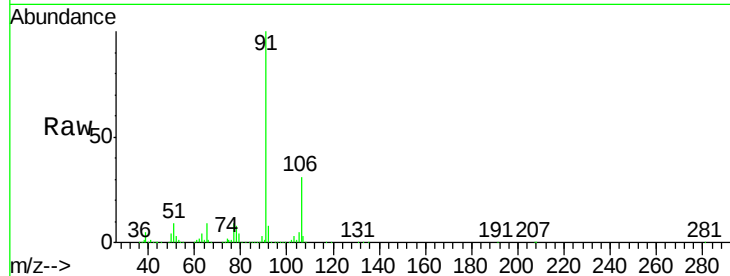
#67
Ethyl Benzene
Concen: 51.311 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 463782
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4

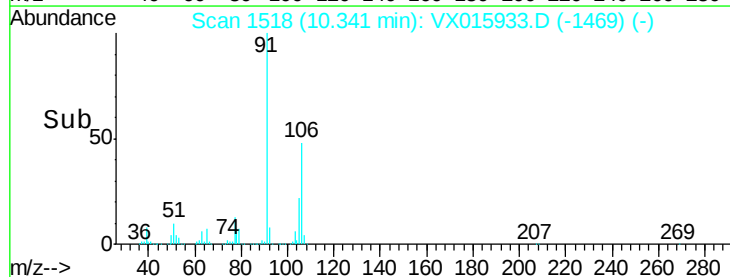
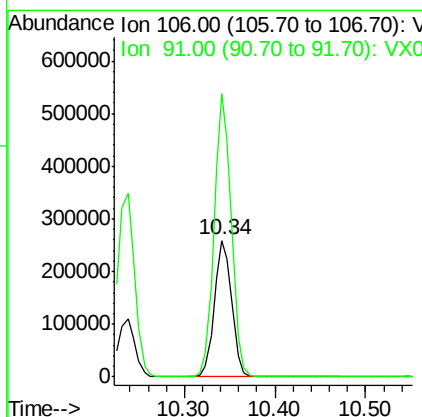
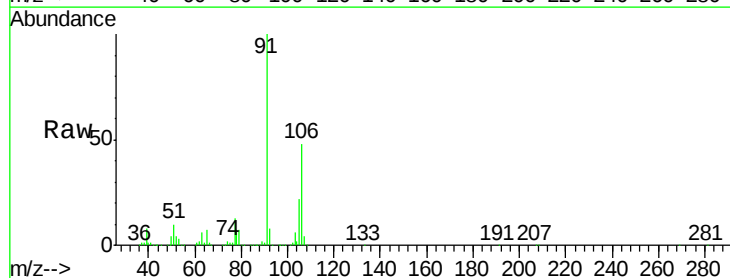
Manual Integrations
APPROVED

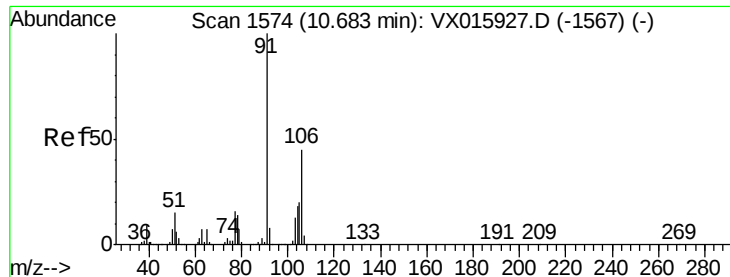
MMDadoda
4/27/2020 12:40:02 PM



#68
m/p-Xylenes
Concen: 104.458 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion: 106 Resp: 345783
Ion Ratio Lower Upper
106 100
91 206.4 164.9 247.3





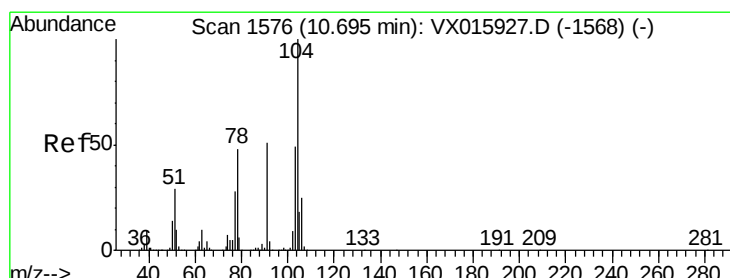
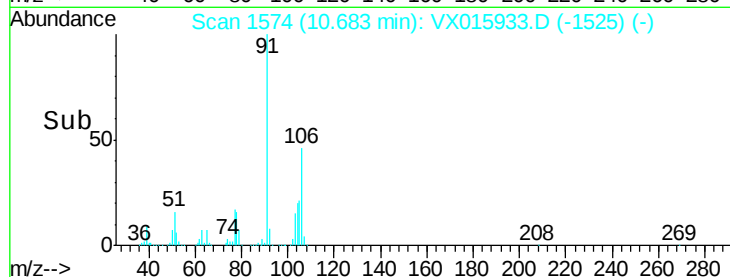
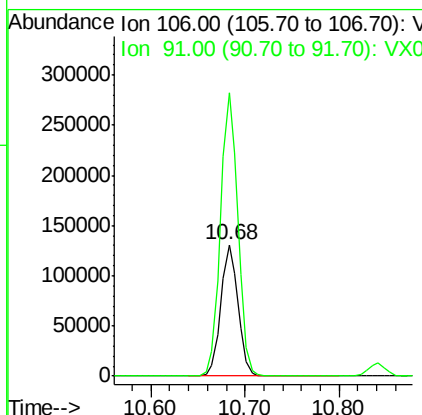
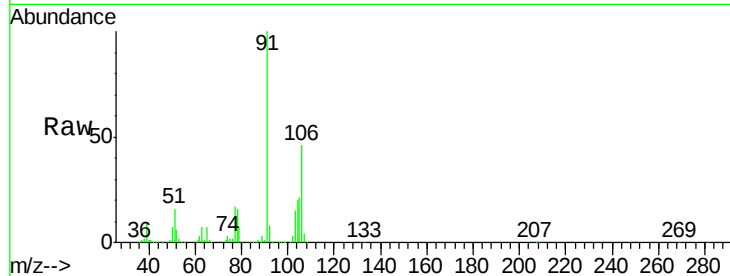
#69
o-Xylene
Concen: 51.201 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 165391
Ion Ratio Lower Upper
106 100
91 218.4 108.6 325.8

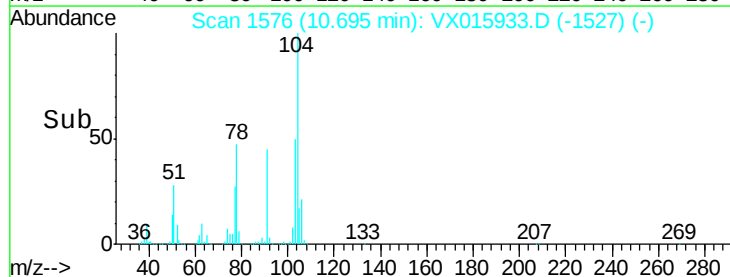
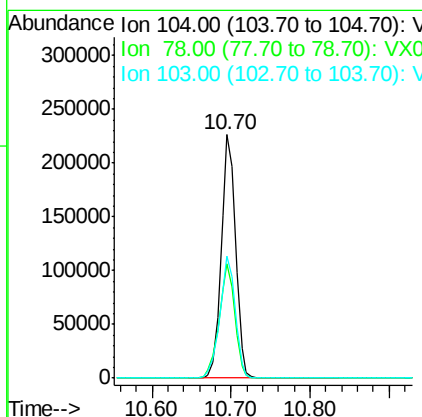
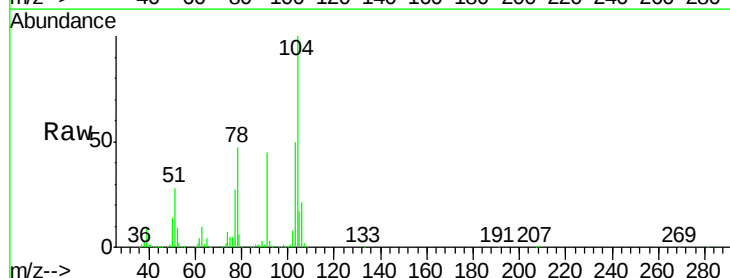
Manual Integrations
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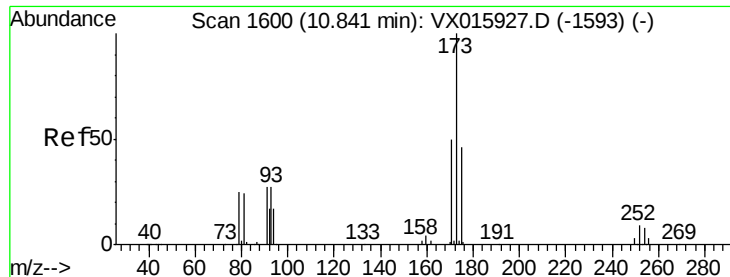
MMDadoda
4/27/2020 12:40:02 PM



#70
Styrene
Concen: 51.774 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion:104 Resp: 288446
Ion Ratio Lower Upper
104 100
78 51.1 40.5 60.7
103 54.1 42.7 64.1





#71

Bromoform

Concen: 45.196 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

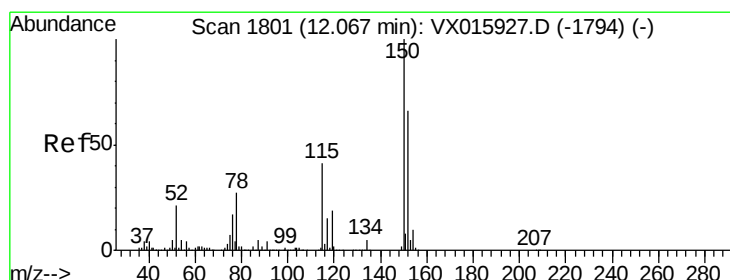
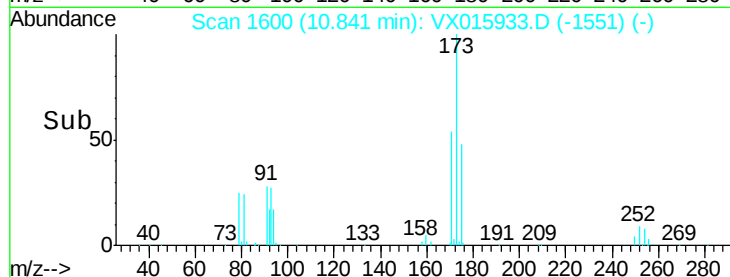
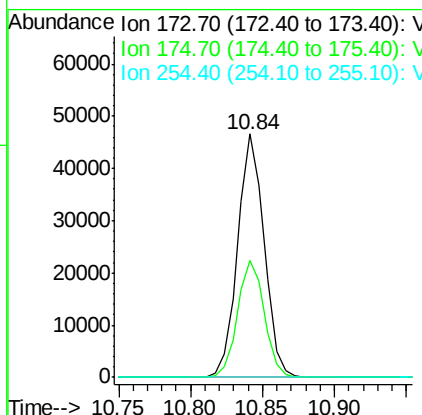
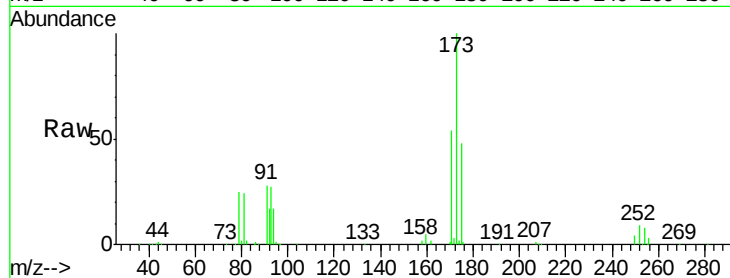
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.2	69.5
254	0.1	0.1	0.1

Manual Integrations
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4/27/2020 12:40:02 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

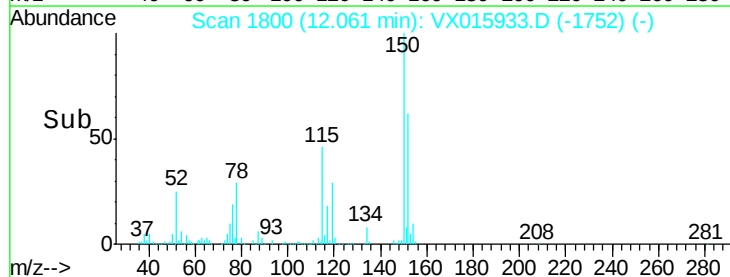
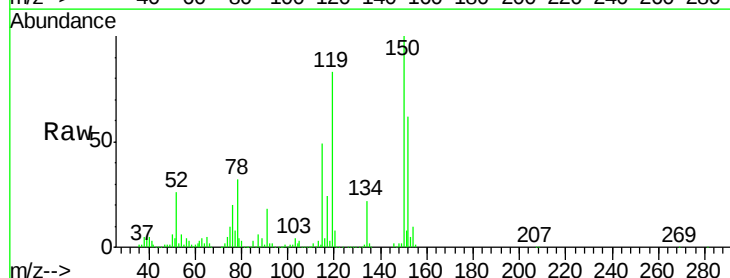
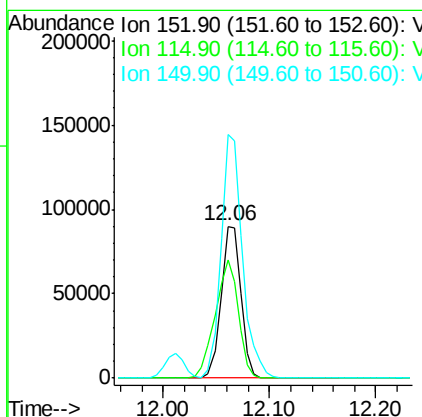
RT: 12.06 min Scan# 1800

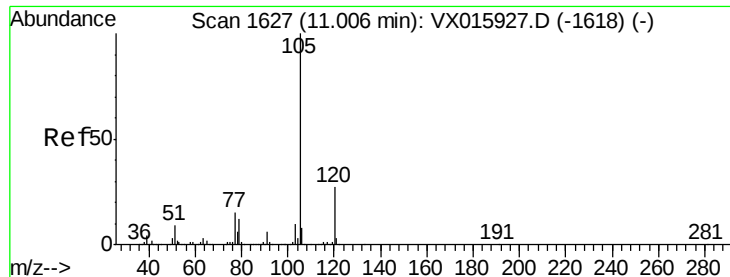
Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	90.3	44.1	132.4
150	173.5	0.0	343.6





#73

Isopropylbenzene

Concen: 51.463 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 444395

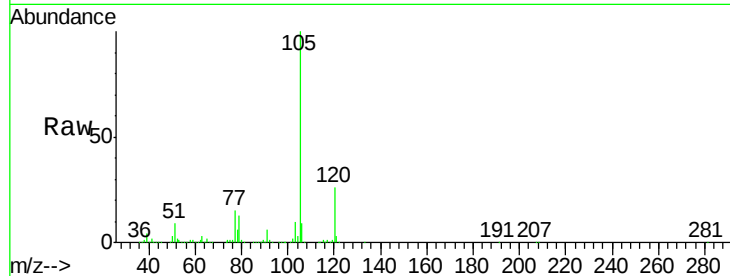
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1

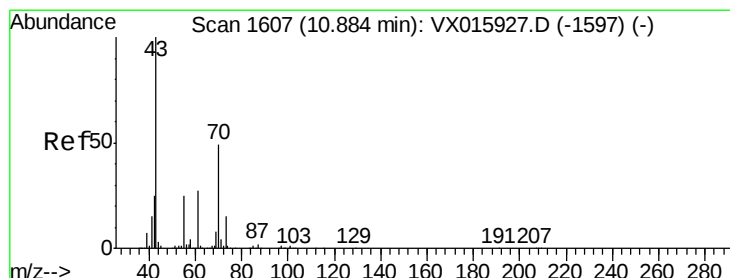
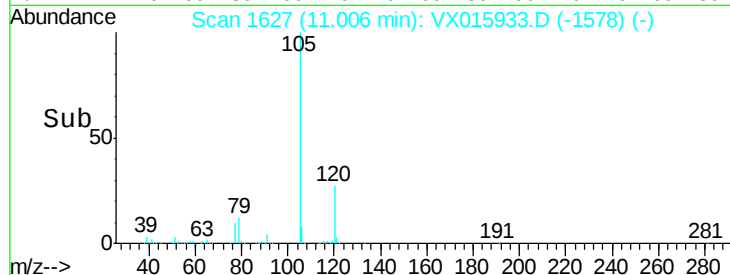
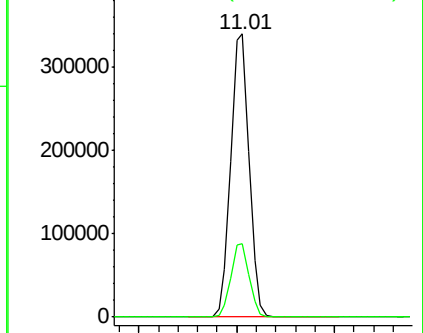
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.986 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Tgt Ion: 43 Resp: 191219

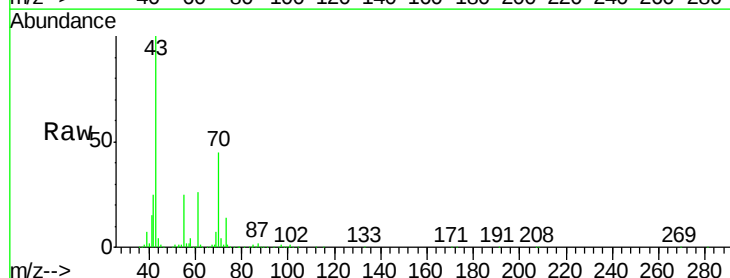
Ion Ratio Lower Upper

43 100

70 47.1 37.8 56.6

55 25.0 20.2 30.2

61 27.0 21.6 32.4

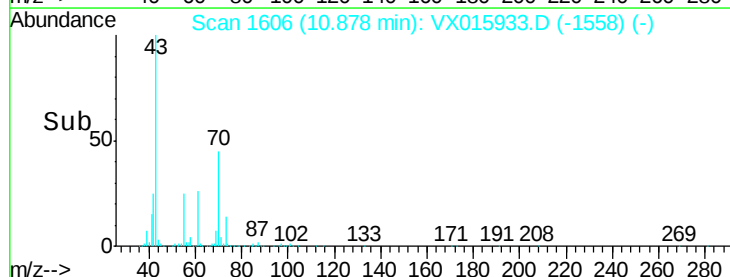
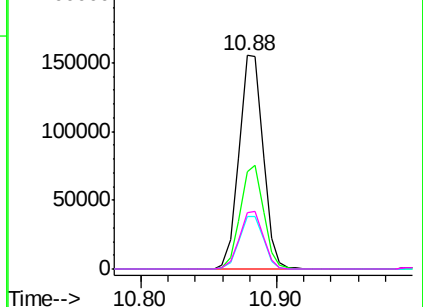


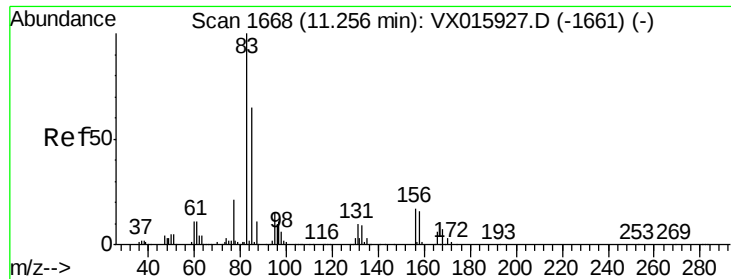
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.855 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

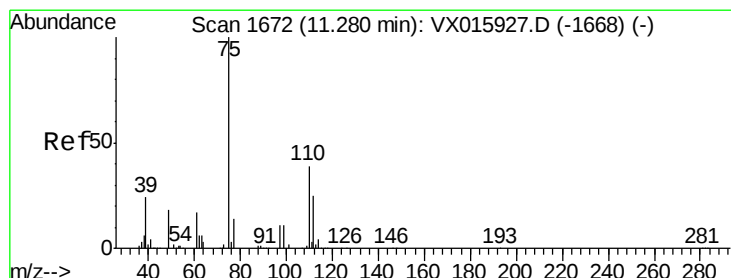
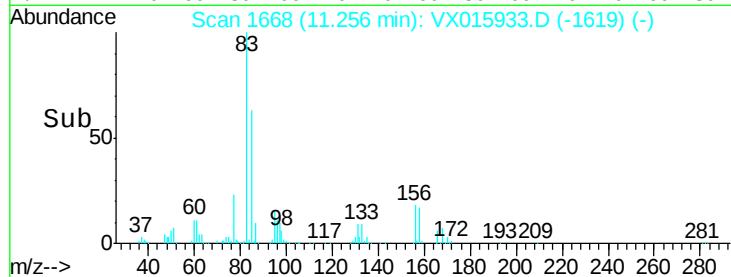
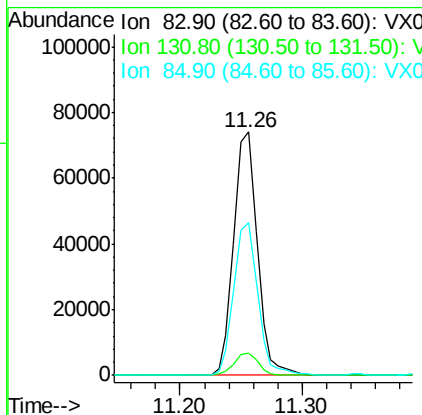
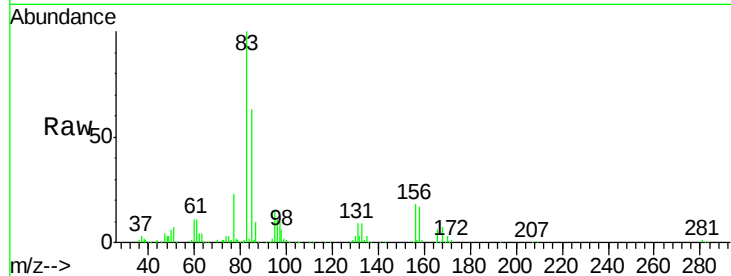
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	99241
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.6
85	63.7	32.1	96.3

Manual Integrations
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MMDadoda
4/27/2020 12:40:02 PM



#76

1,2,3-Trichloropropane

Concen: 50.762 ug/l m

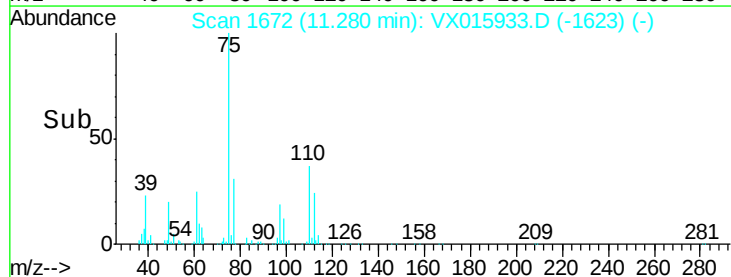
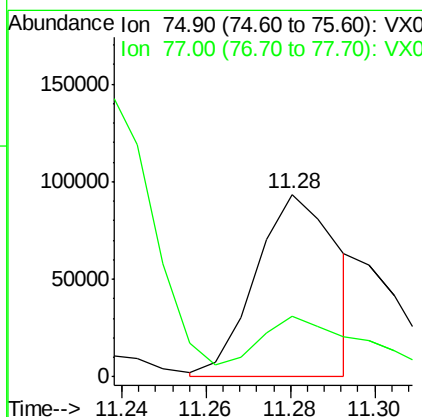
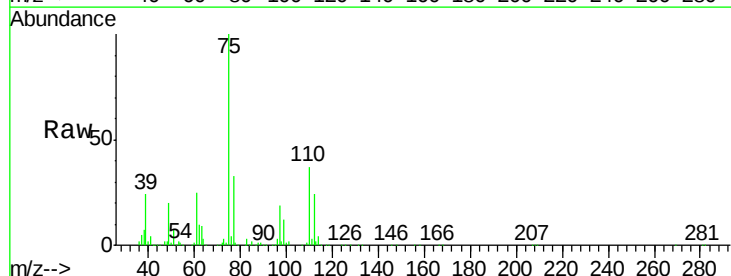
RT: 11.28 min Scan# 1672

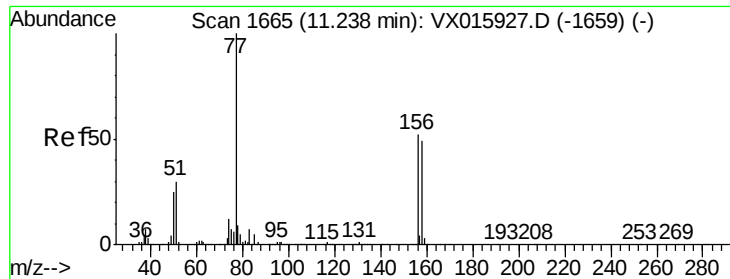
Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Tgt Ion:	75	Resp:	126502
Ion Ratio	Lower	Upper	
75	100		
77	43.6	22.1	66.5





#77

Bromobenzene

Concen: 50.054 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

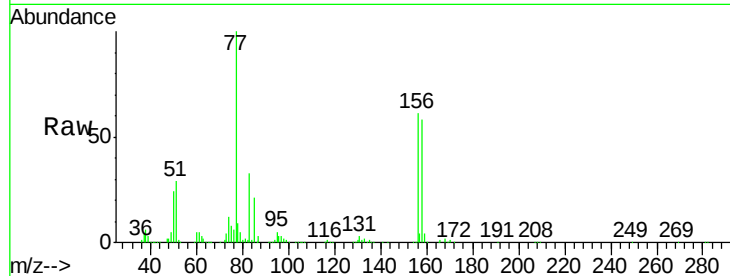
ClientSampleId :

VSTDCCC050

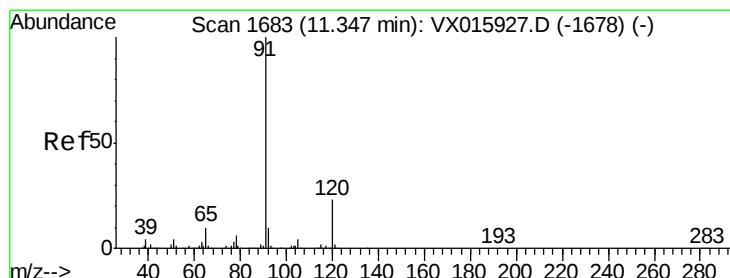
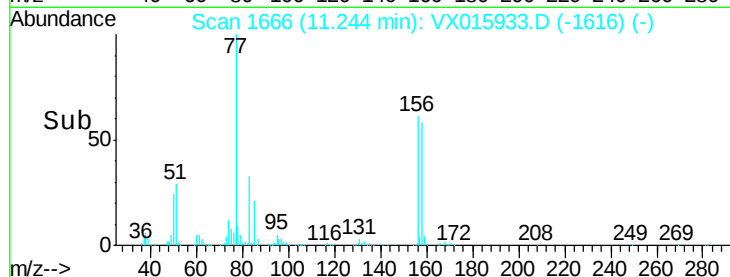
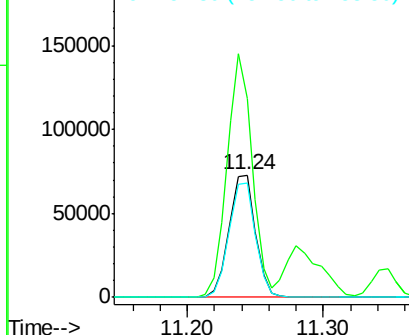
Tot Ion:	156	Resp:	98175
Ion Ratio	Lower	Upper	
156	100		
77	189.3	94.0	281.9
158	94.2	48.6	145.9

Manual Integrations
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4/27/2020 12:40:02 PM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.274 ug/l

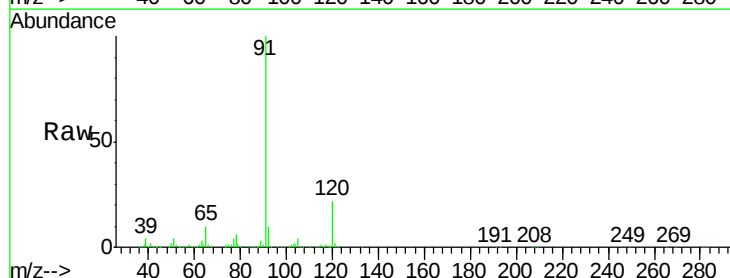
RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

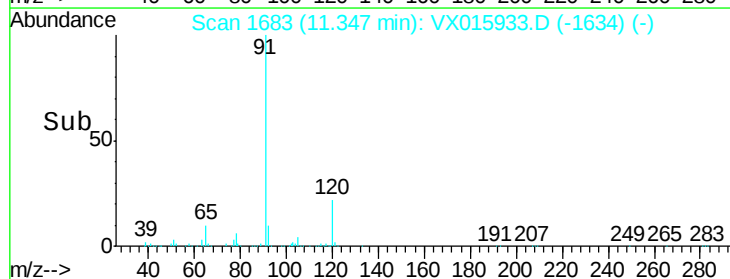
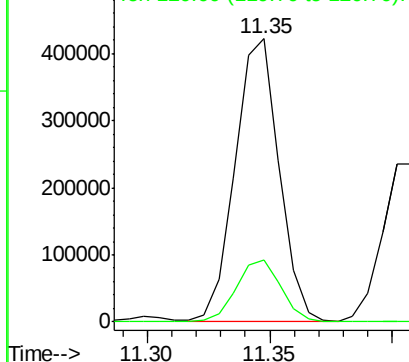
Lab File: VX015933.D

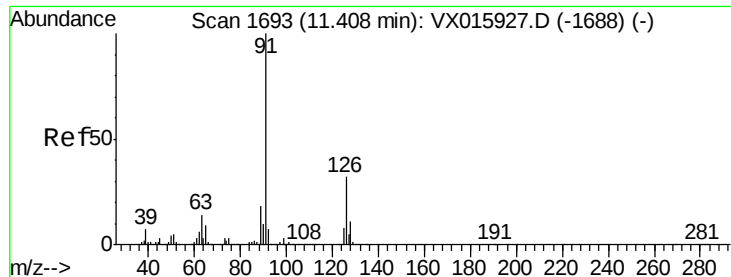
Acq: 24 Apr 2020 16:04

Tgt Ion:	91	Resp:	522751
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.374 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 308742

Ion Ratio Lower Upper

91 100

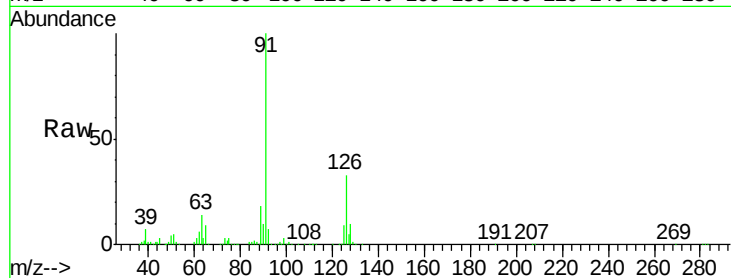
126 31.7 15.8 47.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX015927.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX015927.D (-1688) (-)

500000

400000

300000

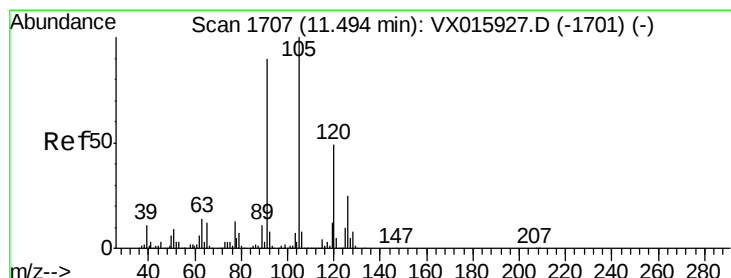
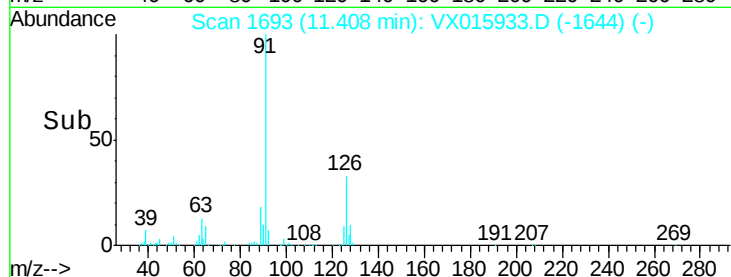
200000

100000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.724 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015933.D

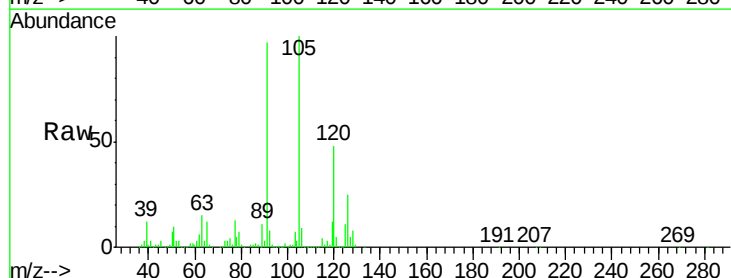
Acq: 24 Apr 2020 16:04

Tgt Ion: 105 Resp: 379686

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX015927.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX015927.D (-1701) (-)

300000

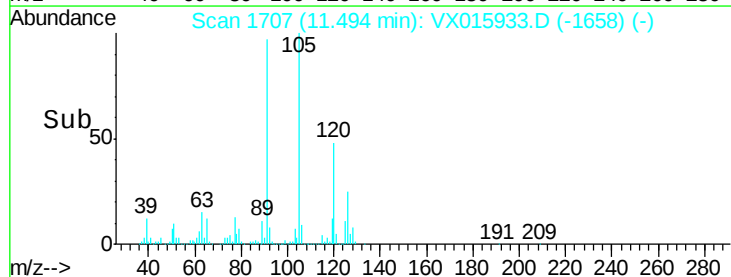
200000

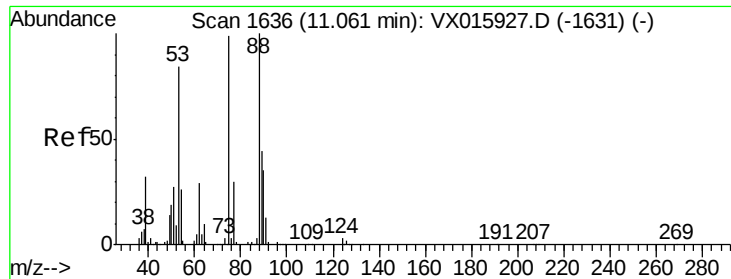
100000

0

11.45 11.50 11.55

Time-->





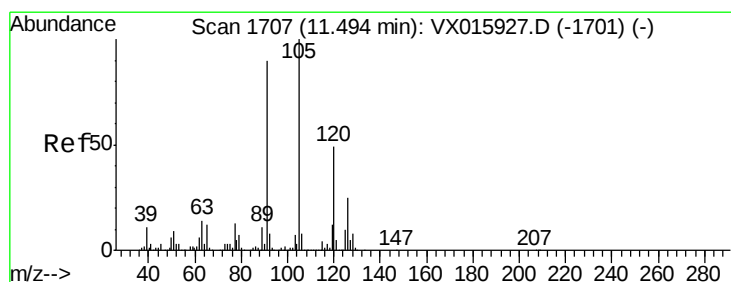
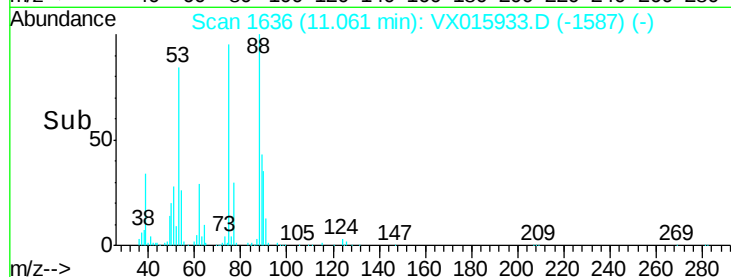
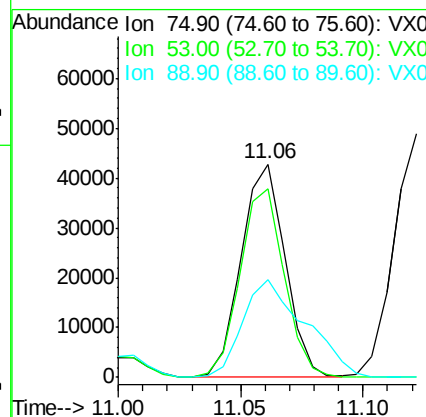
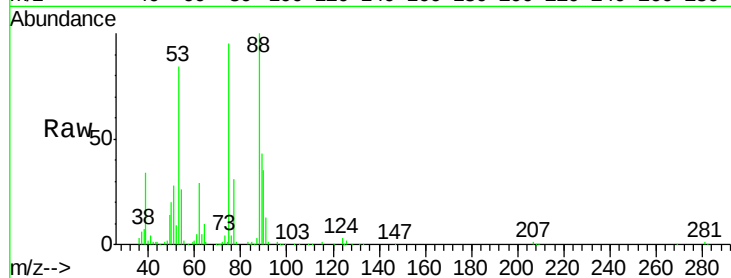
#81
trans-1,4-Dichloro-2-butene
Concen: 48.057 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.0	69.7	104.5
89	65.6	36.3	54.5

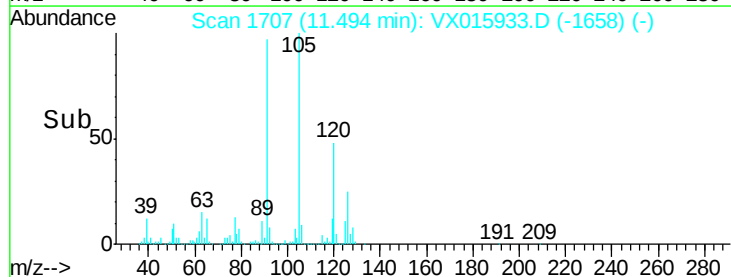
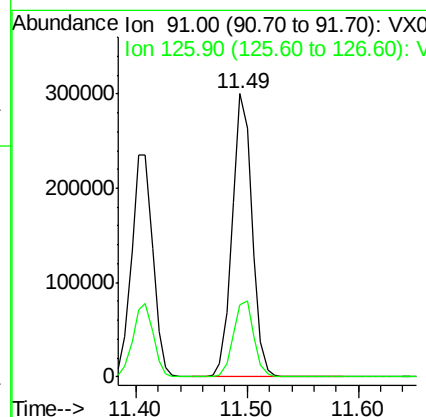
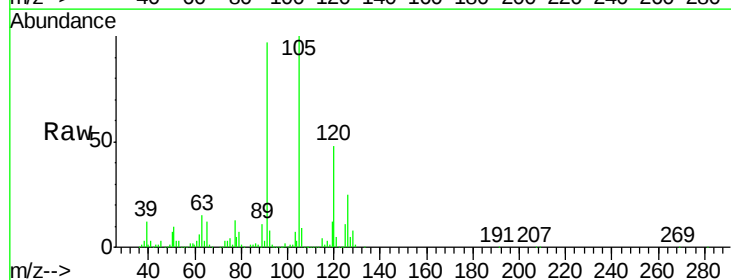
Manual Integrations
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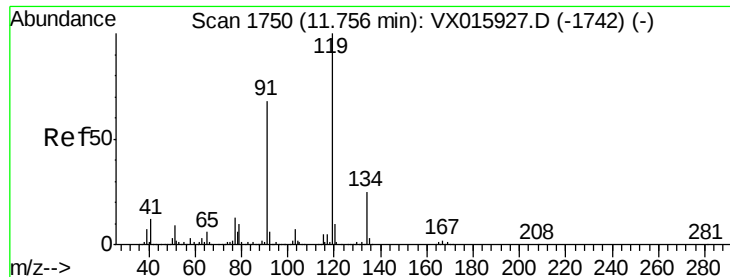
MMDadoda
4/27/2020 12:40:02 PM



#82
4-Chlorotoluene
Concen: 51.442 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.8





#83

tert-Butylbenzene

Concen: 51.665 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

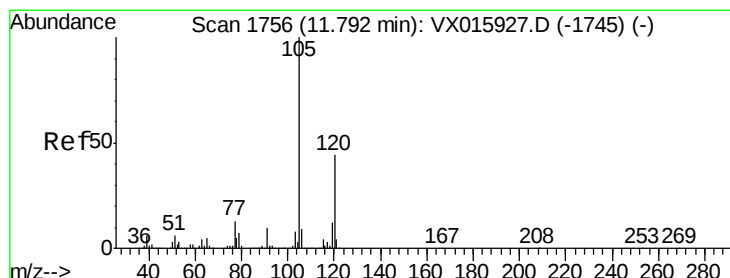
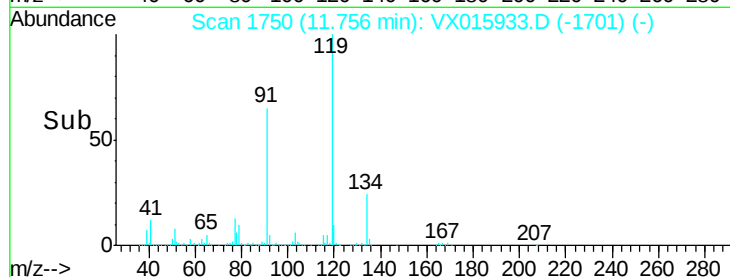
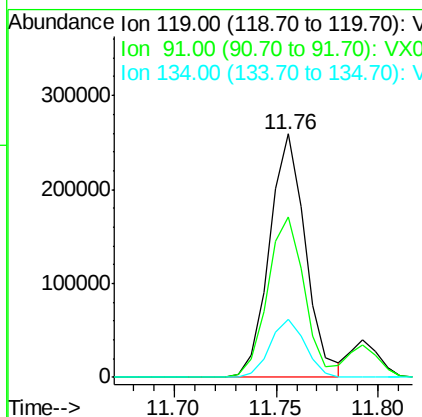
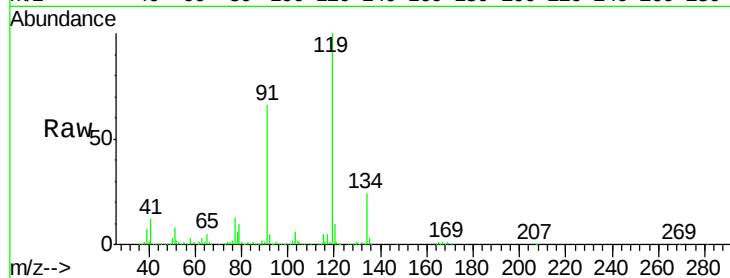
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	318895
Ion Ratio	Lower	Upper	
119	100		
91	67.8	34.3	102.8
134	23.5	12.1	36.3

Manual Integrations
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4/27/2020 12:40:02 PM



#84

1,2,4-Trimethylbenzene

Concen: 50.910 ug/l

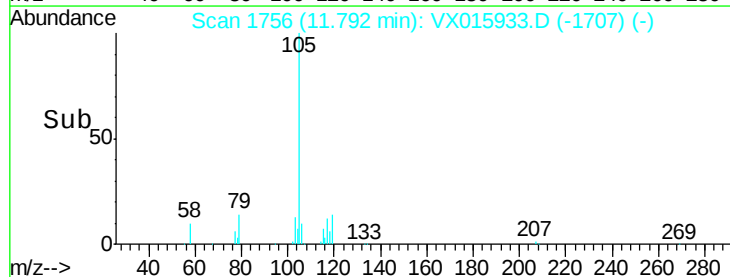
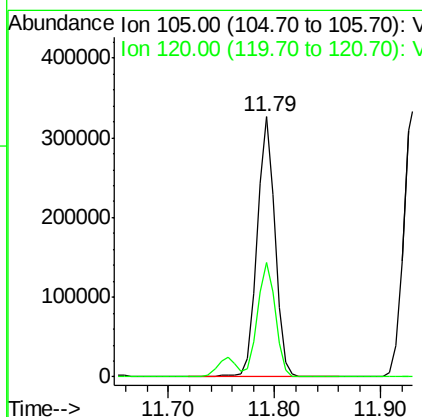
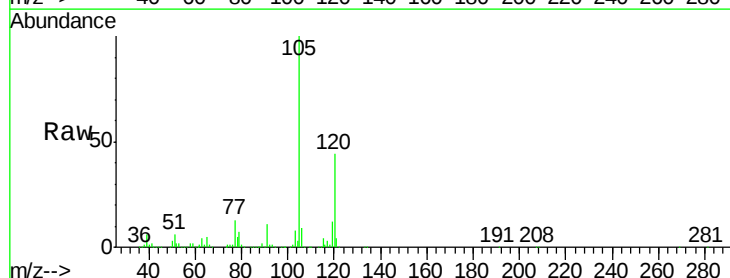
RT: 11.79 min Scan# 1756

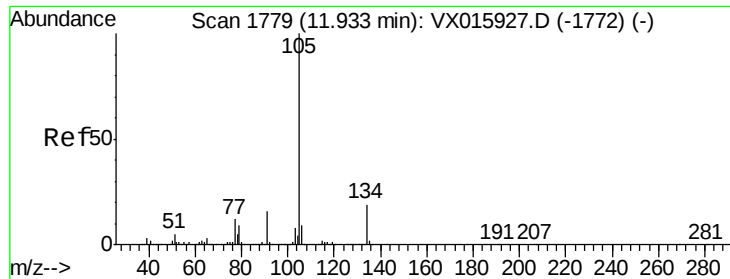
Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Tgt Ion:	105	Resp:	383196
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 51.650 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 436493

Ion Ratio Lower Upper

105 100

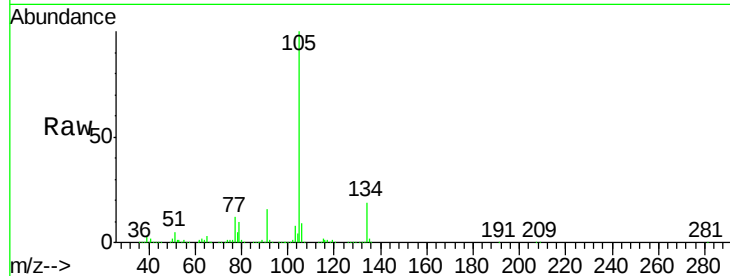
134 19.3 9.3 28.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

400000

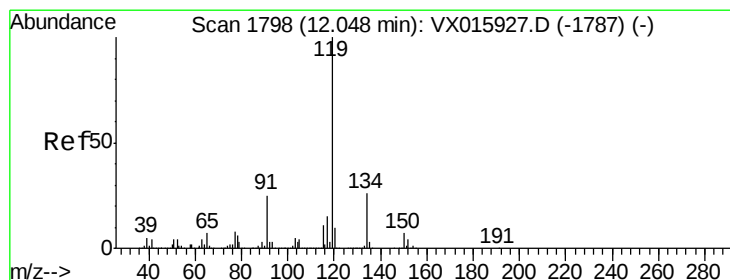
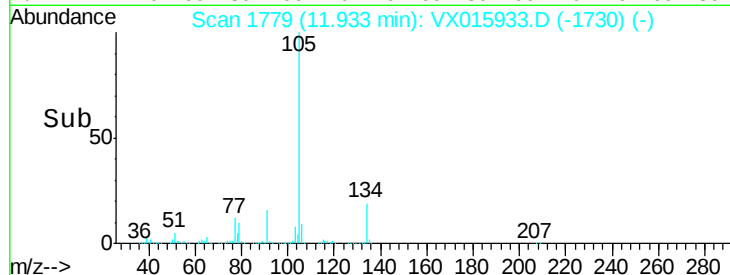
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.679 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

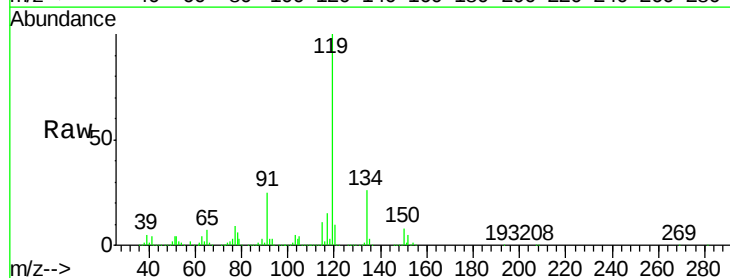
Tgt Ion:119 Resp: 398257

Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.8

91 24.5 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.05

400000

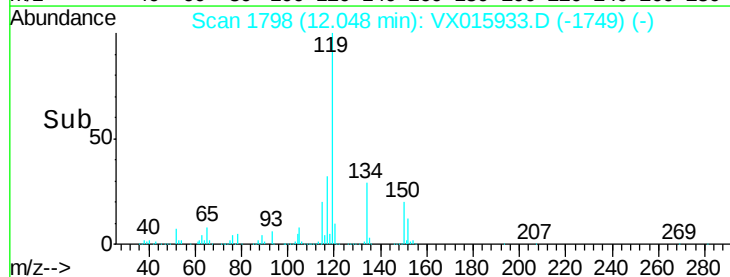
300000

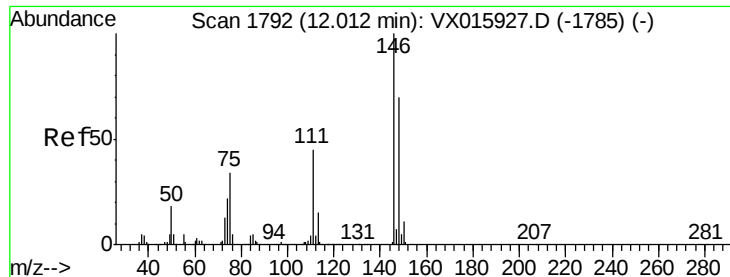
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.236 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Instrument :

MSVOA_X

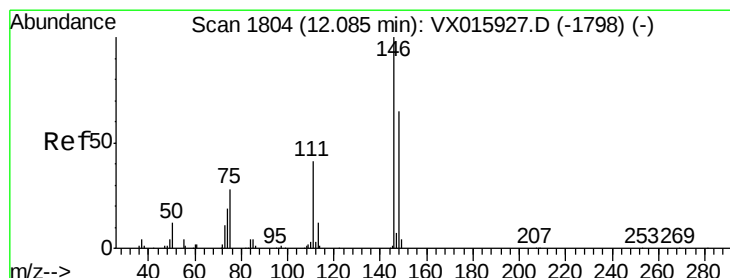
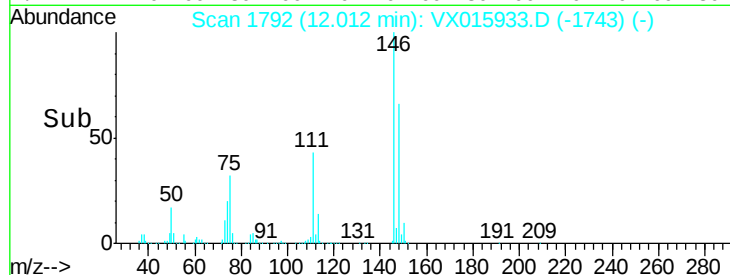
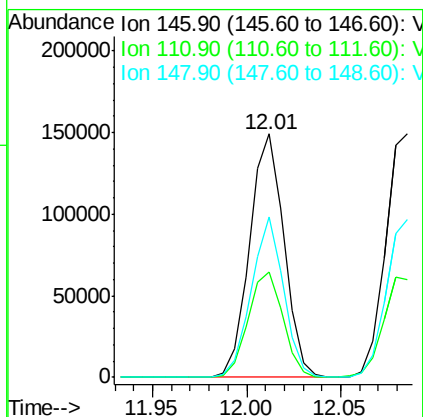
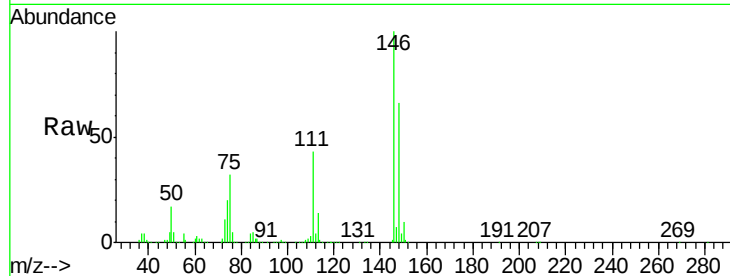
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	188386
Ion Ratio	Lower	Upper	
146	100		
111	43.8	22.2	66.6
148	61.7	32.8	98.4

Manual Integrations
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4/27/2020 12:40:02 PM



#88

1,4-Dichlorobenzene

Concen: 50.222 ug/l

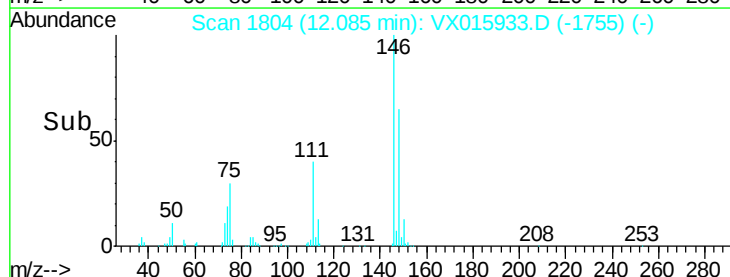
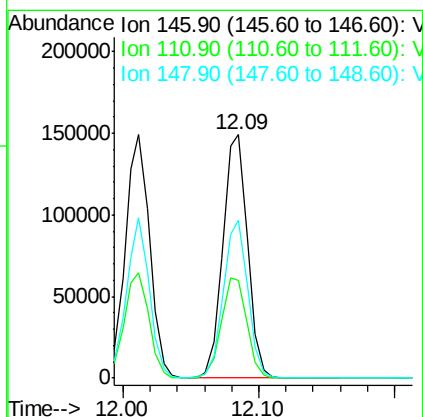
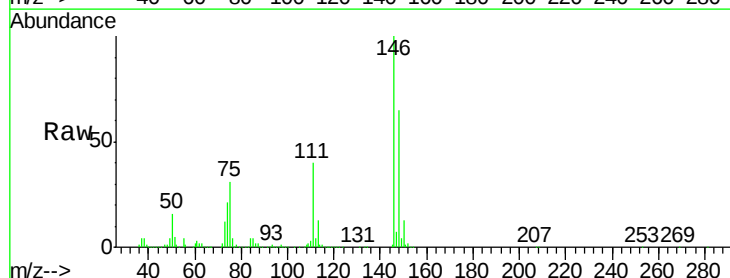
RT: 12.09 min Scan# 1804

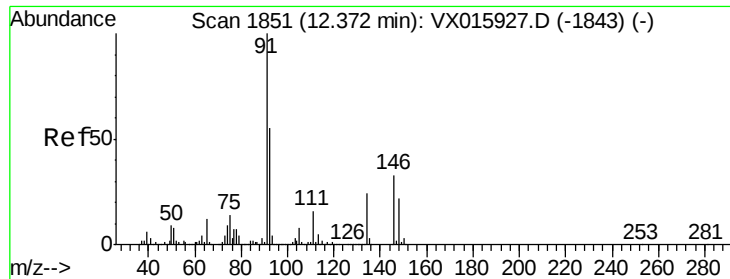
Delta R.T. 0.00 min

Lab File: VX015933.D

Acq: 24 Apr 2020 16:04

Tgt Ion:	146	Resp:	186504
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.6	64.6
148	64.3	32.3	96.8





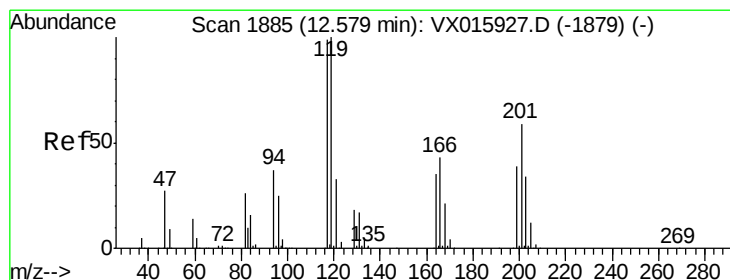
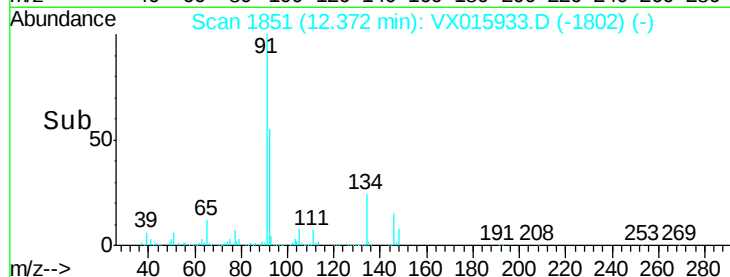
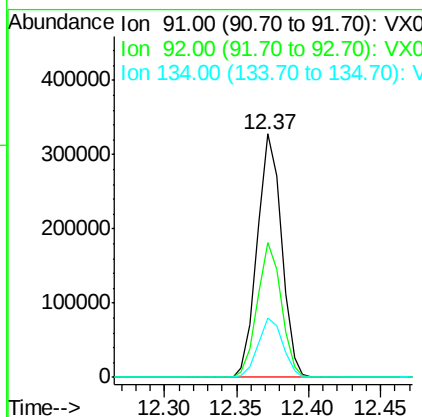
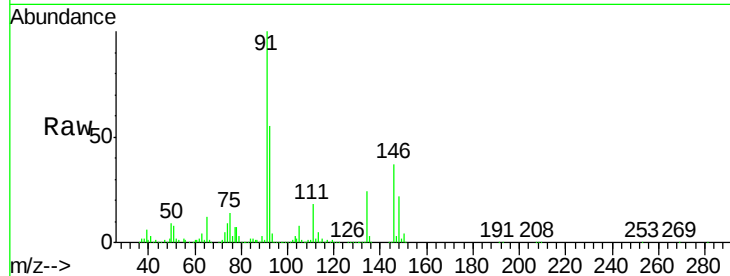
#89
n-Butylbenzene
Concen: 52.255 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.9
134	24.5	12.2	36.4

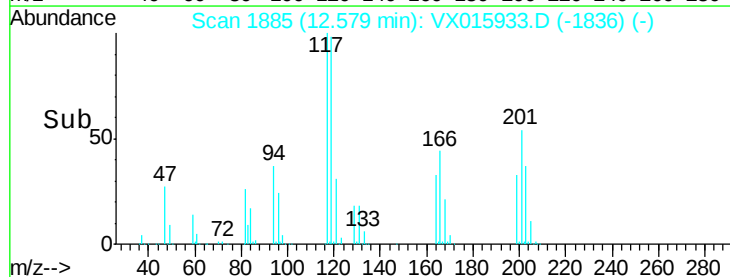
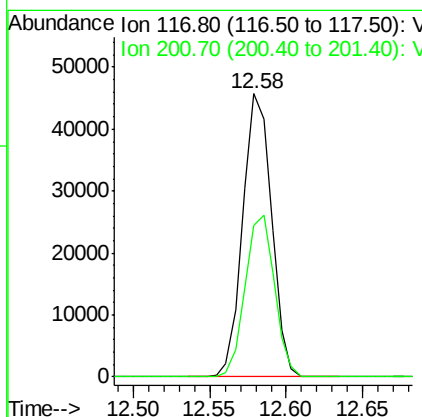
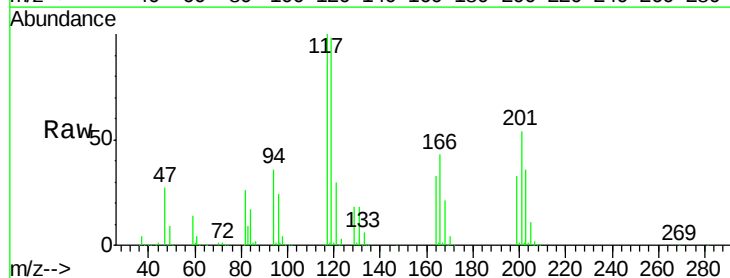
Manual Integrations
APPROVED

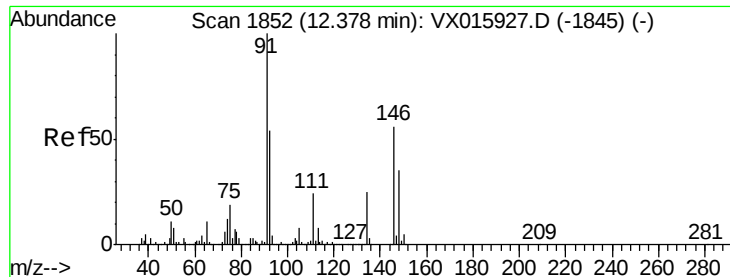
MMDadoda
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#90
Hexachloroethane
Concen: 49.929 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.0	32.1	96.3





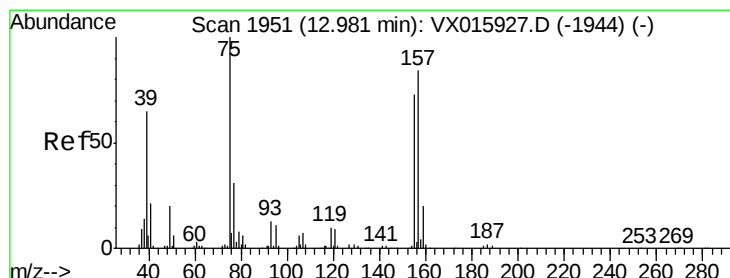
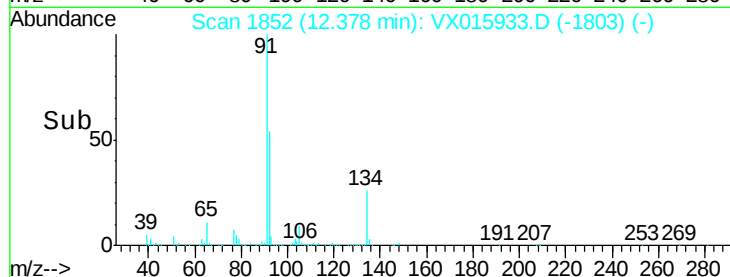
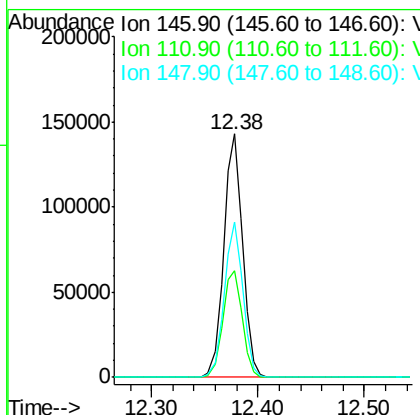
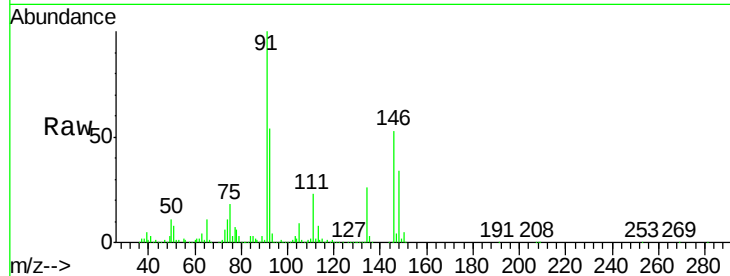
#91
 1,2-Dichlorobenzene
 Concen: 50.237 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015933.D
 Acq: 24 Apr 2020 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	175677		
111	45.3	22.3	66.8	
148	63.3	31.4	94.2	

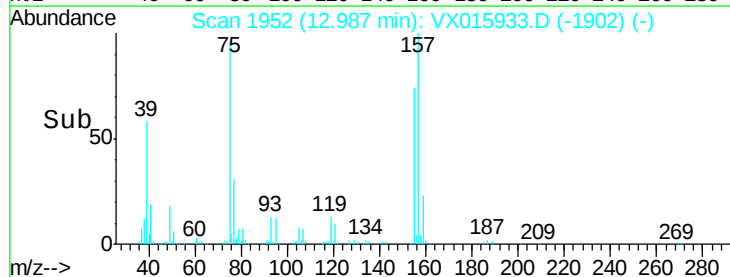
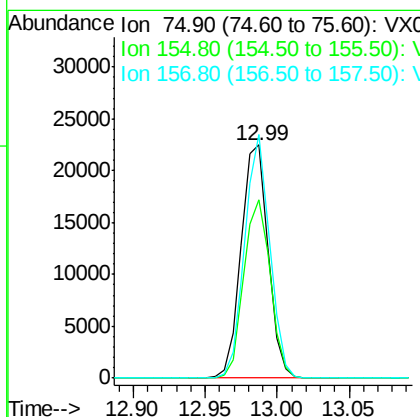
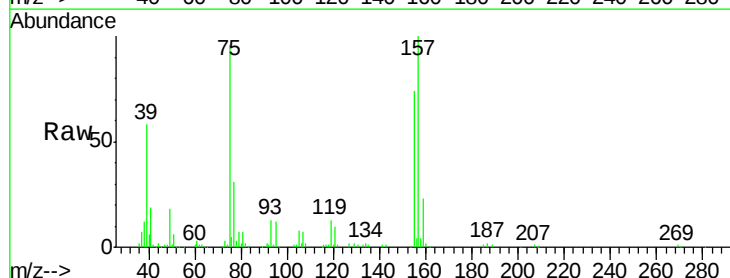
Manual Integrations
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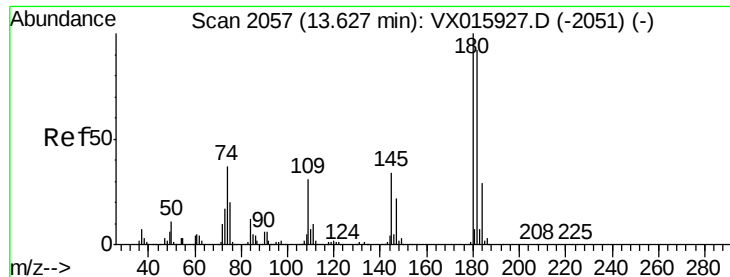
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.241 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX015933.D
 Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29350		
155	74.6	37.9	113.6	
157	95.8	47.9	143.8	





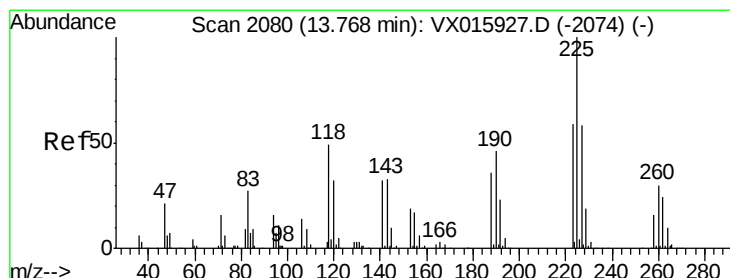
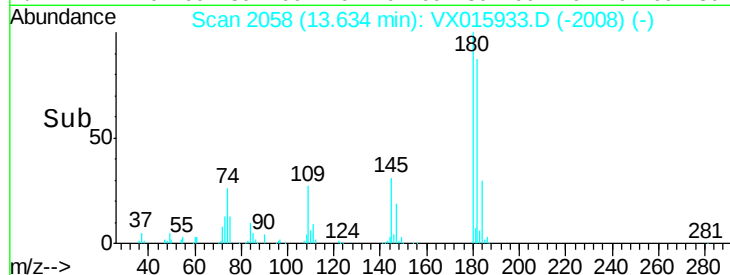
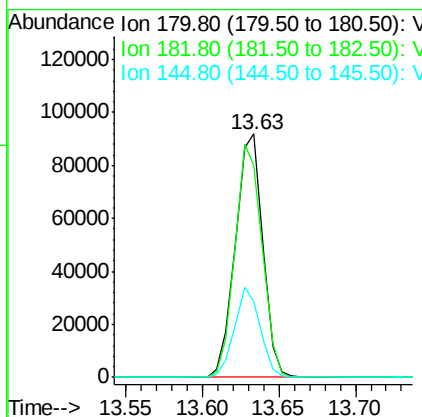
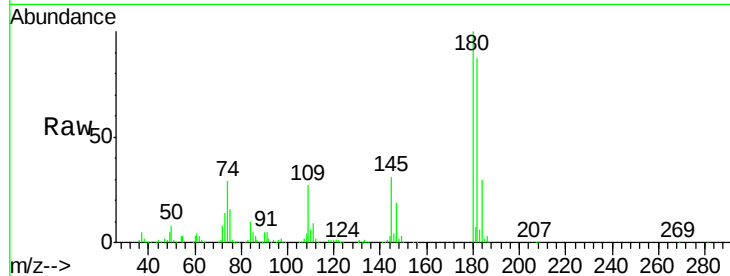
#93
1,2,4-Trichlorobenzene
Concen: 50.420 ug/l
RT: 13.63 min Scan# 2058
Delta R.T. 0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.6	142.9
145	34.9	17.3	52.0

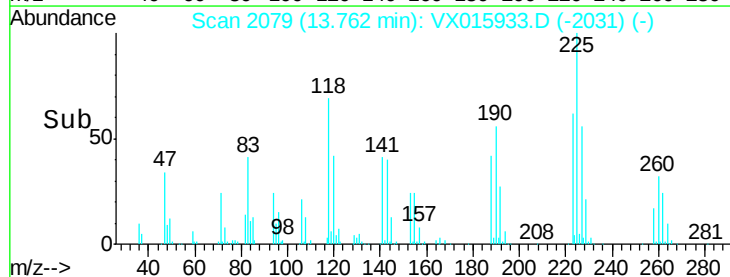
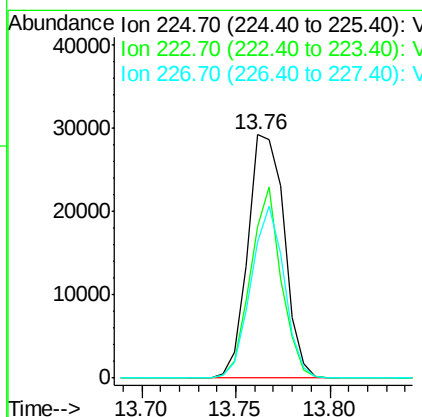
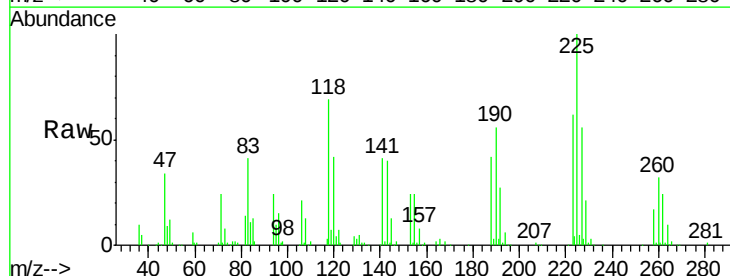
Manual Integrations
APPROVED

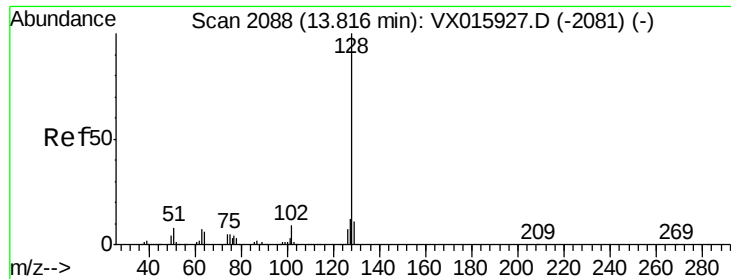
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#94
Hexachlorobutadiene
Concen: 48.993 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	30.6	91.6
227	64.1	32.0	96.2





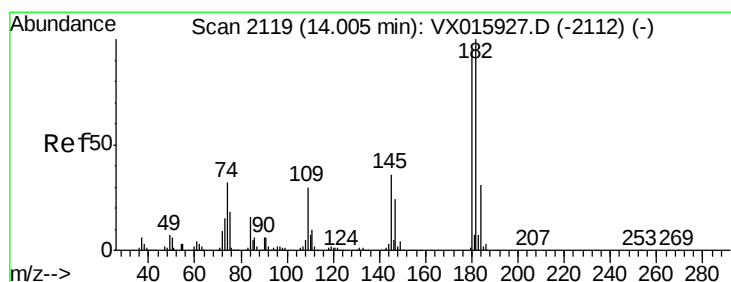
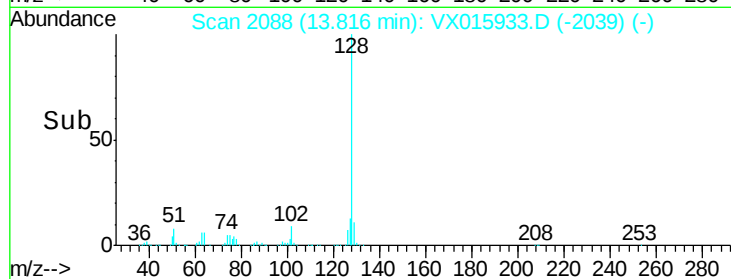
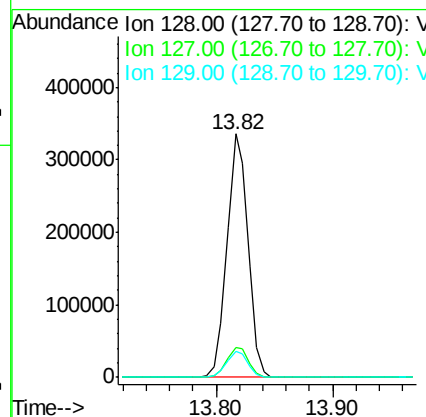
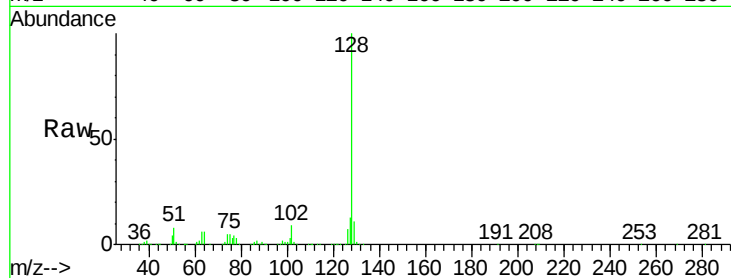
#95
Naphthalene
Concen: 50.528 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.297 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX015933.D
Acq: 24 Apr 2020 16:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	50.1	150.3
145	37.0	18.9	56.9

