

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042820\
 Data File : VX015963.D
 Acq On : 28 Apr 2020 15:46
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:59:48 PM

Quant Time: Apr 28 17:30:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:15:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	263864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	419132	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	386042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194297	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	64432	18.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.36%	
35) Dibromofluoromethane	5.47	113	48196	18.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.86%	
50) Toluene-d8	8.70	98	185776	19.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.00%	
62) 4-Bromofluorobenzene	11.12	95	69675	18.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	45434	19.242	ug/l	100
3) Chloromethane	1.31	50	51005	17.824	ug/l	100
4) Vinyl Chloride	1.39	62	61089	18.798	ug/l	100
5) Bromomethane	1.63	94	43951	20.145	ug/l	98
6) Chloroethane	1.71	64	38850	17.972	ug/l	99
7) Trichlorofluoromethane	1.92	101	90063	18.335	ug/l	100
8) Diethyl Ether	2.17	74	36182	17.644	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	44450	18.154	ug/l	98
10) Methyl Iodide	2.49	142	59793	17.506	ug/l	99
11) Tert butyl alcohol	3.01	59	74670	89.164	ug/l	97
12) 1,1-Dichloroethene	2.36	96	44877	17.776	ug/l	96
13) Acrolein	2.27	56	17254	81.983	ug/l	97
14) Allyl chloride	2.71	41	83439	18.329	ug/l	99
15) Acrylonitrile	3.11	53	148950	89.703	ug/l	99
16) Acetone	2.42	43	132894	90.082	ug/l	98
17) Carbon Disulfide	2.55	76	135248	16.726	ug/l	100
18) Methyl Acetate	2.75	43	75816	18.110	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	168230	18.424	ug/l	98
20) Methylene Chloride	2.84	84	51947	17.788	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	50267	17.667	ug/l	98
22) Diisopropyl ether	3.82	45	163474	18.266	ug/l	100
23) Vinyl Acetate	3.79	43	717308	92.265	ug/l	100
24) 1,1-Dichloroethane	3.67	63	90887	18.230	ug/l	100
25) 2-Butanone	4.64	43	217684	91.058	ug/l	99
26) 2,2-Dichloropropane	4.55	77	84128	18.455	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	57355	17.764	ug/l	99
28) Bromochloromethane	4.98	49	44162	18.305	ug/l	99
29) Tetrahydrofuran	5.09	42	141177	90.111	ug/l	99
30) Chloroform	5.18	83	93678	18.070	ug/l	96
31) Cyclohexane	5.56	56	82345	18.553	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	86439	18.109	ug/l	100
36) 1,1-Dichloropropene	5.77	75	69420	17.390	ug/l	100
37) Ethyl Acetate	4.79	43	83779	18.302	ug/l	98
38) Carbon Tetrachloride	5.76	117	75895	18.000	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	83024	17.980	ug/l	95
40) Benzene	6.12	78	206939	18.168	ug/l	98
41) Methacrylonitrile	5.00	41	43337	17.687	ug/l	99
42) 1,2-Dichloroethane	6.17	62	79230	17.952	ug/l	100
43) Isopropyl Acetate	6.42	43	135601	17.889	ug/l	99
44) Trichloroethene	7.19	130	75508	18.392	ug/l	99
45) 1,2-Dichloropropane	7.49	63	52938	17.983	ug/l	99
46) Dibromomethane	7.64	93	37667	18.008	ug/l	99
47) Bromodichloromethane	7.88	83	75037	18.052	ug/l	99
48) Methyl methacrylate	7.74	41	63137	18.040	ug/l	99
49) 1,4-Dioxane	7.71	88	29809	362.061	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	423212	92.046	ug/l	100
52) Toluene	8.77	92	130677	18.074	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	86978	17.635	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	90722	17.885	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	51895	17.961	ug/l	97
56) Ethyl methacrylate	9.16	69	84150	17.911	ug/l	100
57) 1,3-Dichloropropane	9.35	76	90673	18.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	226213	93.174	ug/l	100
59) 2-Hexanone	9.47	43	326150	90.768	ug/l	100
60) Dibromochloromethane	9.57	129	56589	17.498	ug/l	98
61) 1,2-Dibromoethane	9.65	107	56535	18.044	ug/l	99
64) Tetrachloroethene	9.32	164	84387	18.427	ug/l	95
65) Chlorobenzene	10.12	112	139698	17.767	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	53428	17.979	ug/l	99
67) Ethyl Benzene	10.24	91	255271	18.231	ug/l	99
68) m/p-Xylenes	10.34	106	191755	36.090	ug/l	100
69) o-Xylene	10.68	106	90558	17.952	ug/l	98
70) Styrene	10.70	104	151562	17.510	ug/l	99
71) Bromoform	10.84	173	41810	17.367	ug/l #	98
73) Isopropylbenzene	11.01	105	247301	18.710	ug/l	99
74) N-amyl acetate	10.88	43	119394	18.729	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	43762	17.080	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	76721m	15.078	ug/l	
77) Bromobenzene	11.24	156	62320	18.317	ug/l	99
78) n-propylbenzene	11.34	91	280232	18.430	ug/l	99
79) 2-Chlorotoluene	11.40	91	164360	18.143	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	204129	18.334	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	31107	18.031	ug/l	100
82) 4-Chlorotoluene	11.49	91	196932	18.175	ug/l	100
83) tert-Butylbenzene	11.76	119	176989	18.436	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	207754	18.540	ug/l	100
85) sec-Butylbenzene	11.93	105	235112	18.177	ug/l	99
86) p-Isopropyltoluene	12.05	119	220952	18.237	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	110411	17.795	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	113495	18.100	ug/l	98
89) n-Butylbenzene	12.37	91	196703	17.969	ug/l	100
90) Hexachloroethane	12.58	117	37892	17.701	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	109845	18.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	19408	17.785	ug/l	96

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ClientSampleId :
VSTDICC020

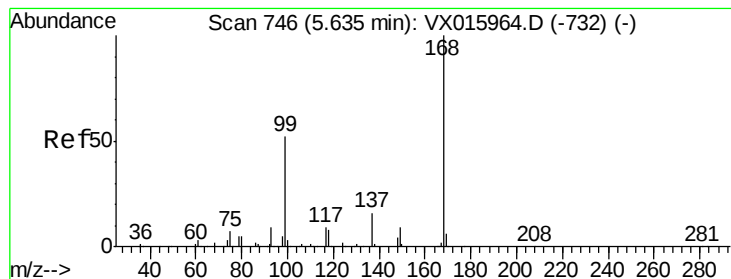
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	78900	17.718	ug/l	98
94) Hexachlorobutadiene	13.77	225	36054	18.121	ug/l	93
95) Naphthalene	13.82	128	261010	18.584	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	78320	18.265	ug/l	98

(#) = 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: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 263864

Ion Ratio Lower Upper

168 100

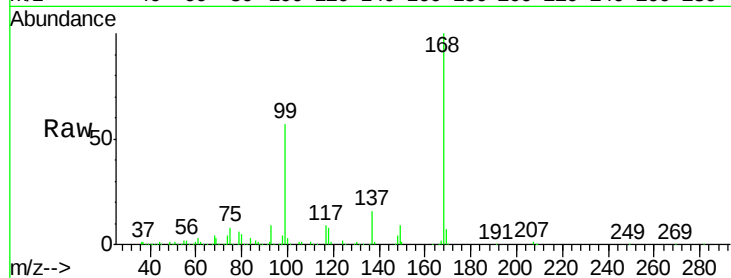
99 56.6 41.7 62.5

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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

100000

80000

60000

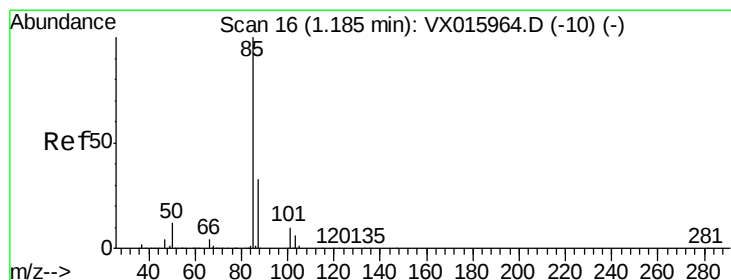
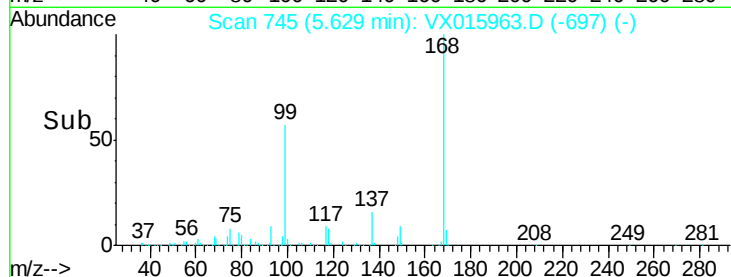
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.242 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015963.D

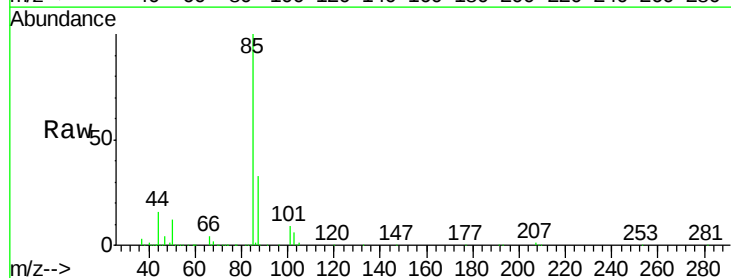
Acq: 28 Apr 2020 15:46

Tgt Ion: 85 Resp: 45434

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

50000

40000

30000

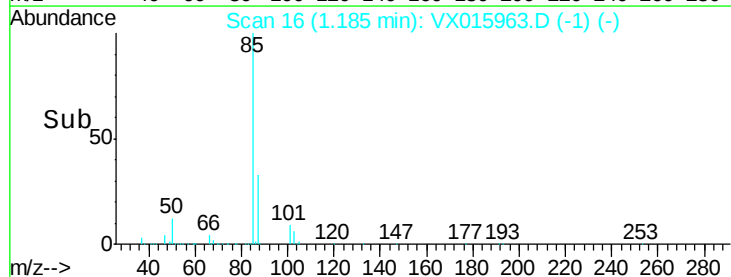
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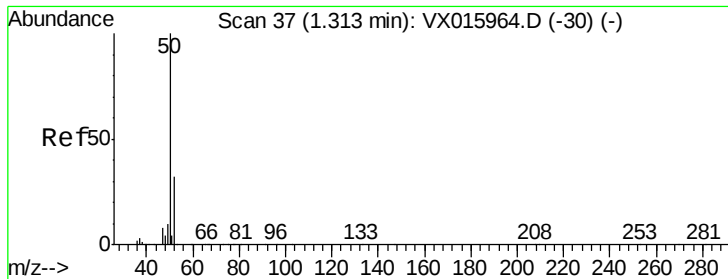
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.824 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 51005

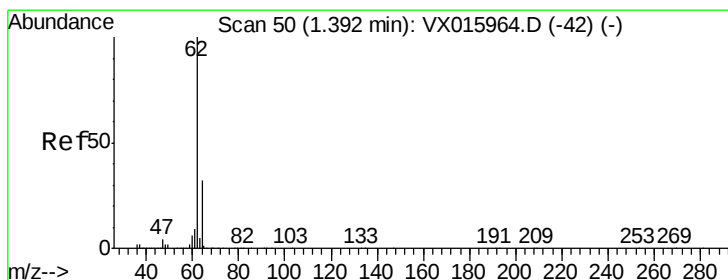
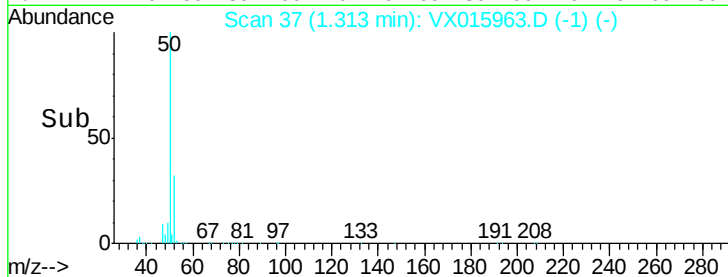
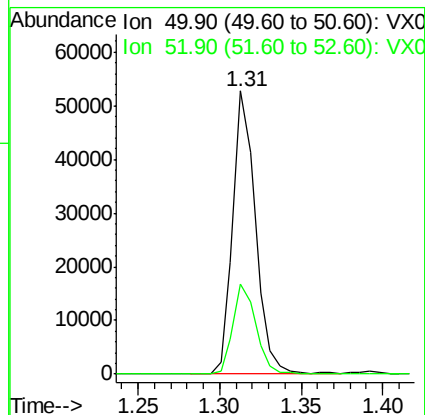
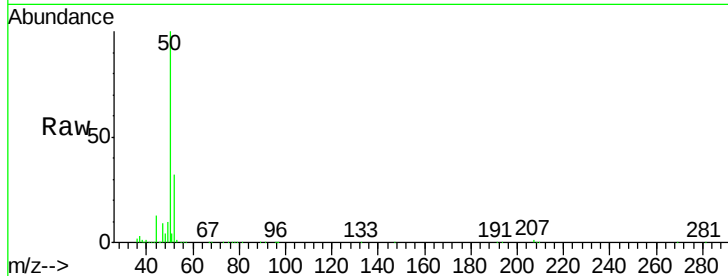
Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3

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#4

Vinyl Chloride

Concen: 18.798 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015963.D

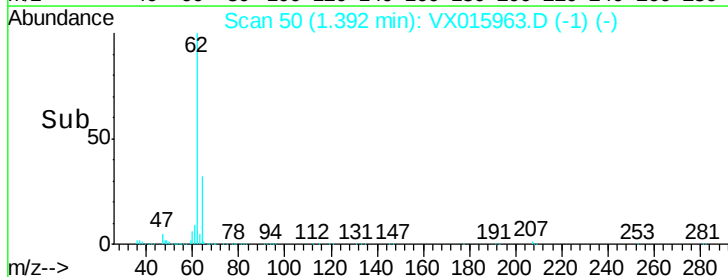
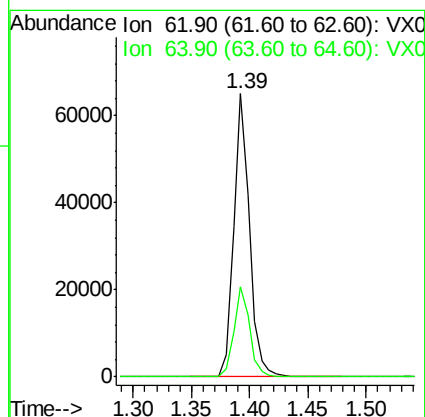
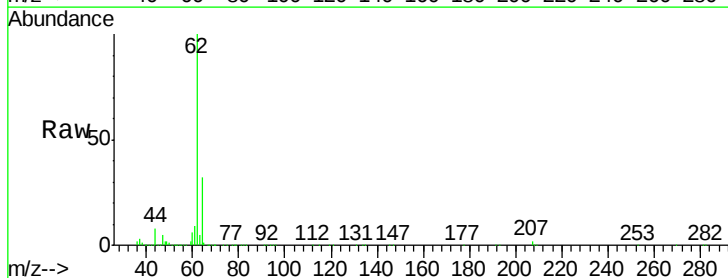
Acq: 28 Apr 2020 15:46

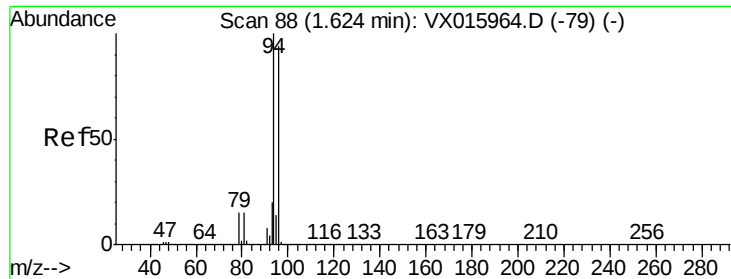
Tgt Ion: 62 Resp: 61089

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.6





#5

Bromomethane

Concen: 20.145 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

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Tot Ion: 94 Resp: 43951

Ion Ratio Lower Upper

94 100

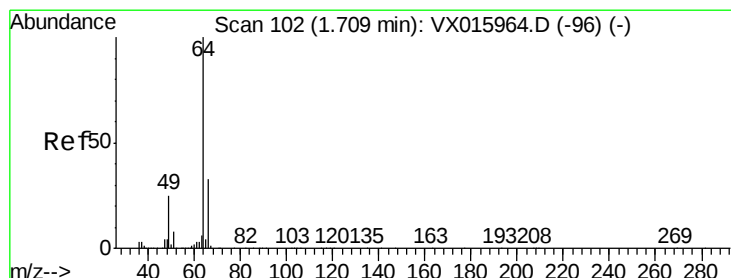
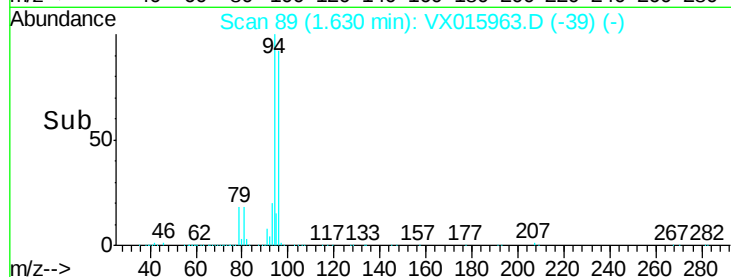
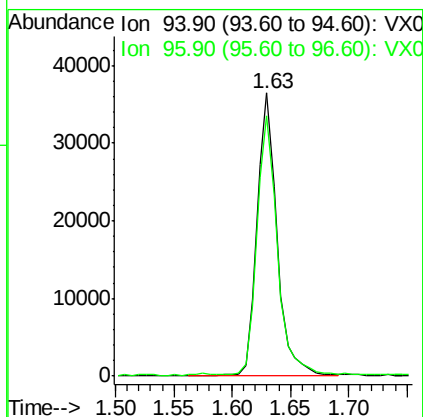
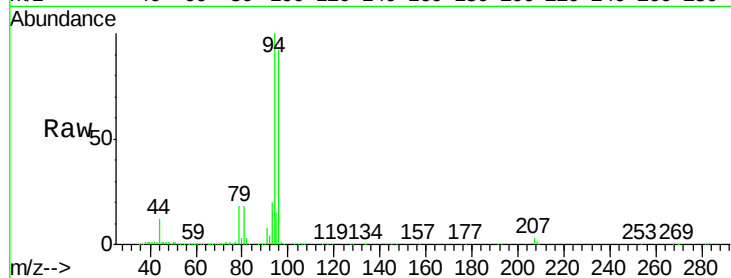
96 91.5 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 17.972 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX015963.D

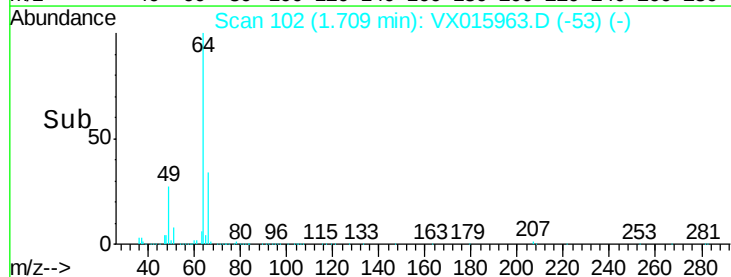
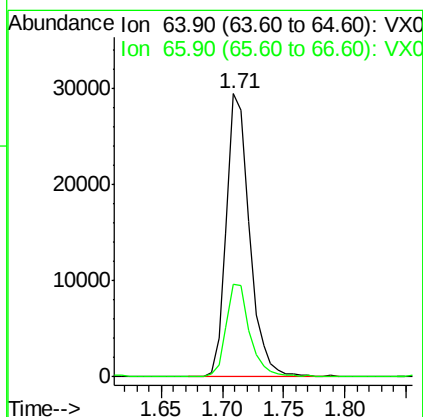
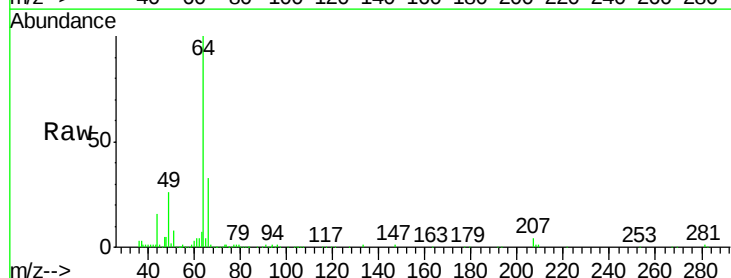
Acq: 28 Apr 2020 15:46

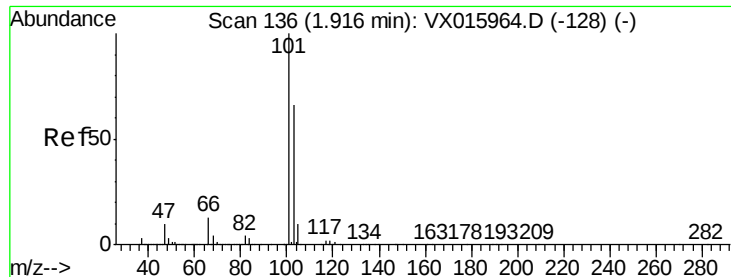
Tgt Ion: 64 Resp: 38850

Ion Ratio Lower Upper

64 100

66 32.3 26.2 39.2





#7

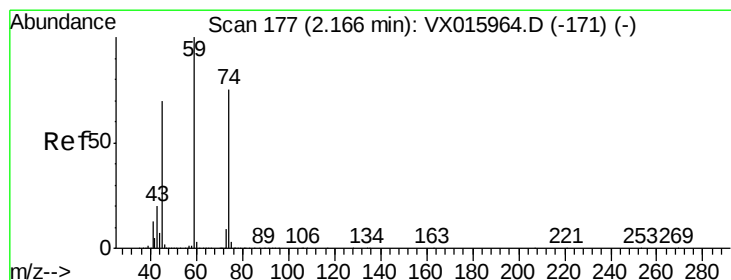
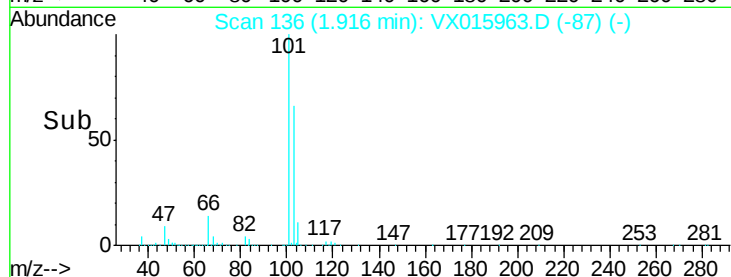
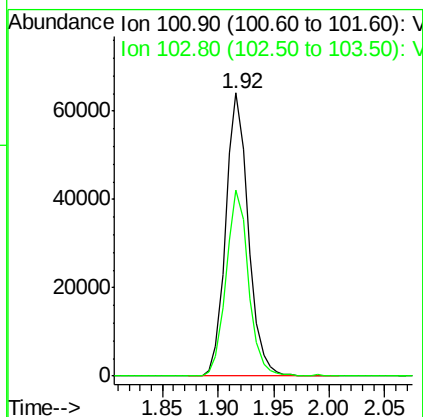
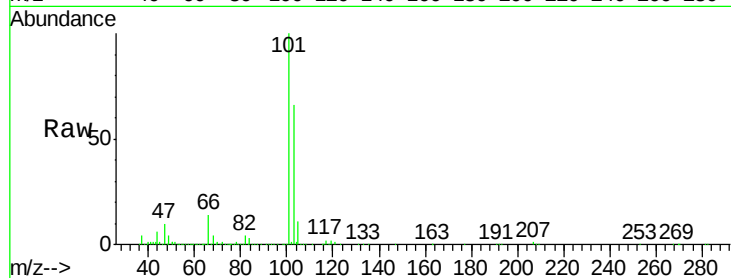
Trichlorofluoromethane
Concen: 18.335 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX015963.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.4	78.6

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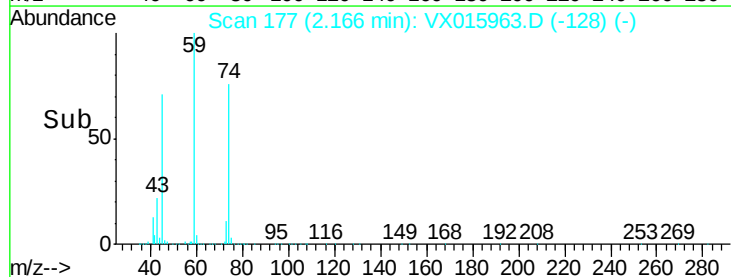
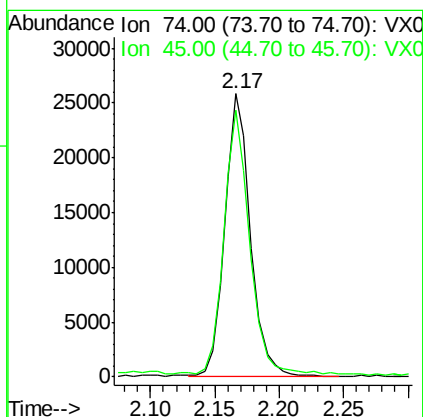
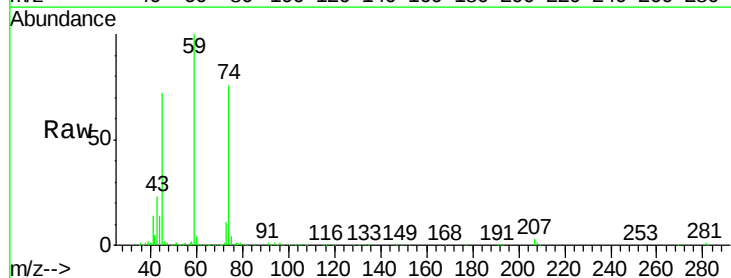
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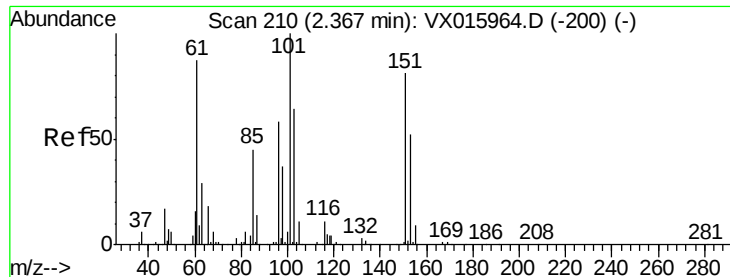


#8

Diethyl Ether
Concen: 17.644 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	47.1	141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.154 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

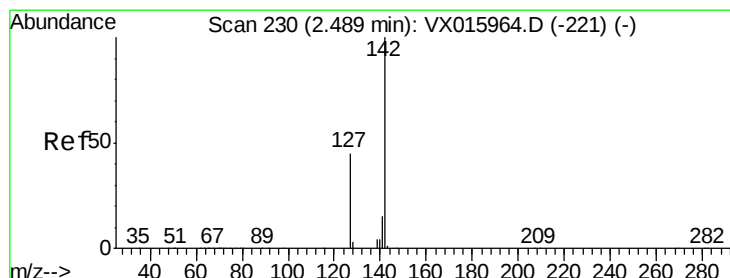
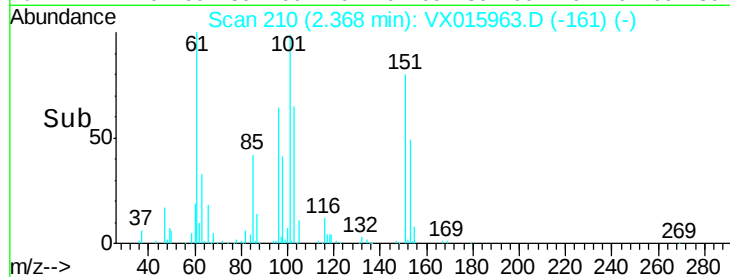
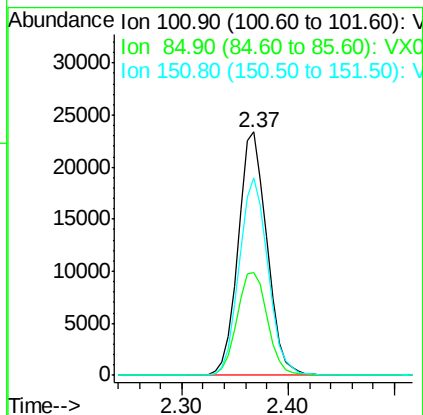
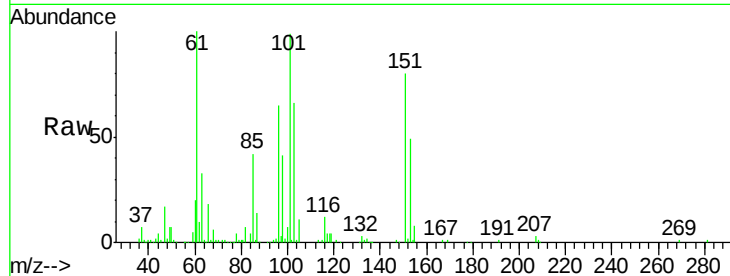
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	44450
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.3	54.5
151	81.2	63.1	94.7

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#10

Methyl Iodide

Concen: 17.506 ug/l

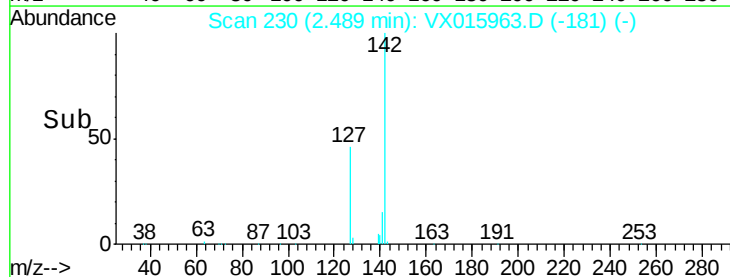
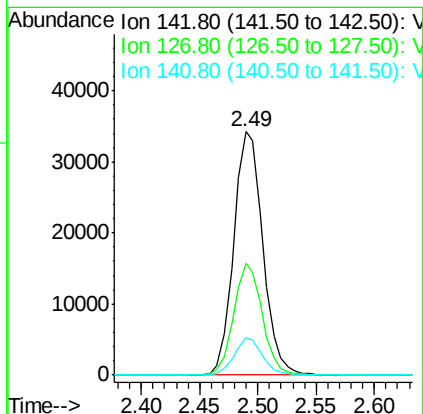
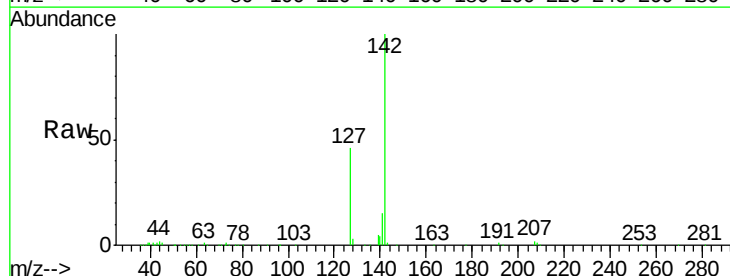
RT: 2.49 min Scan# 230

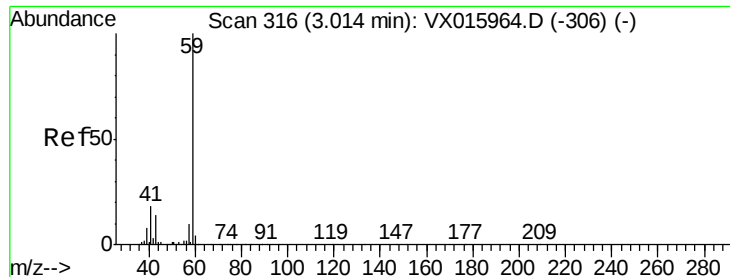
Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Tgt Ion:	142	Resp:	59793
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.5	54.7
141	14.7	11.6	17.4





#11

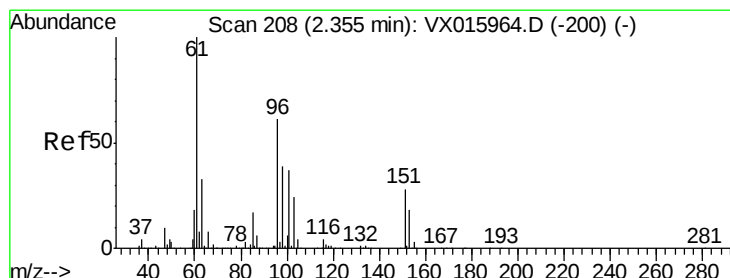
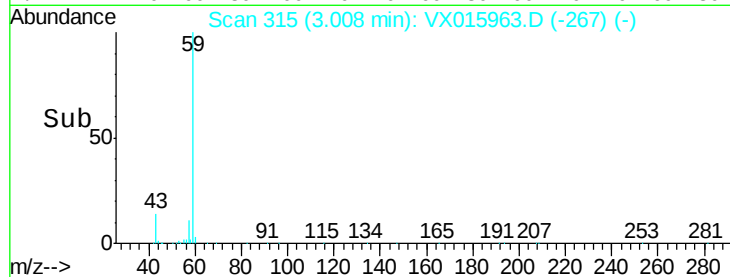
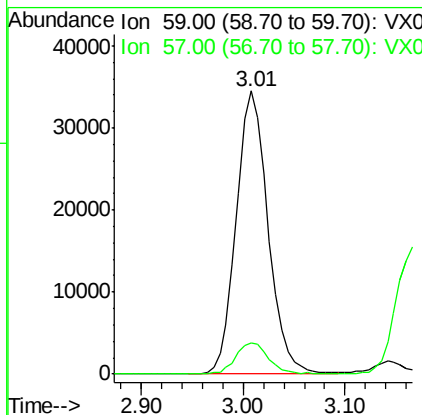
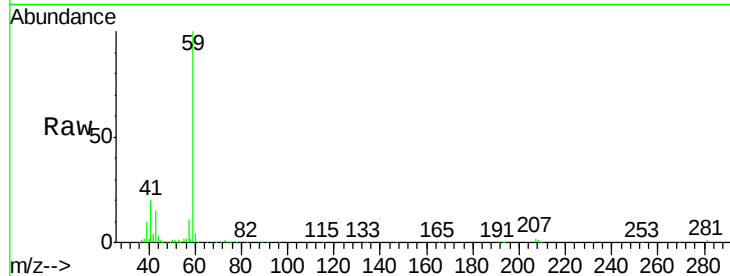
Tert butyl alcohol
Concen: 89.164 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.3	12.5

Manual Integrations
APPROVED

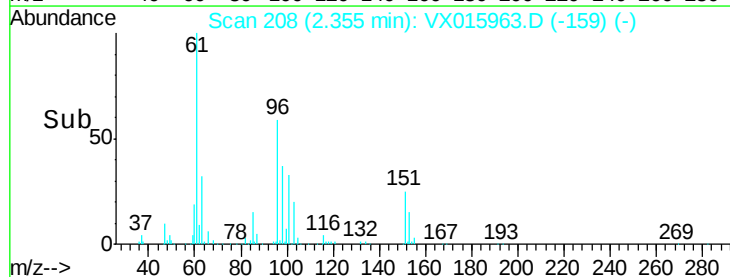
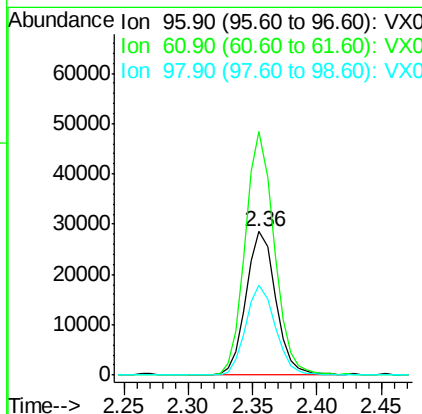
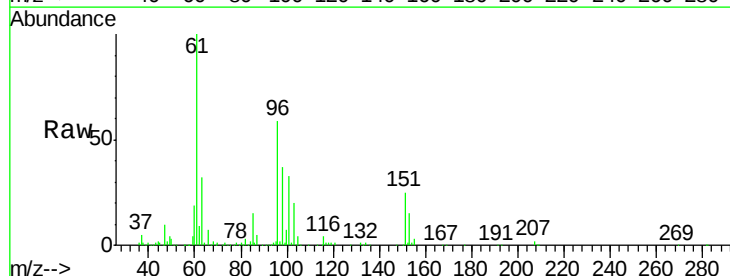
MMDadoda
4/30/2020 2:59:48 PM

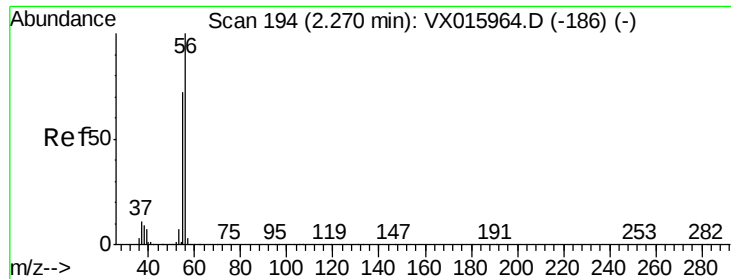


#12

1,1-Dichloroethene
Concen: 17.776 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.4
98	63.4	50.7	76.1





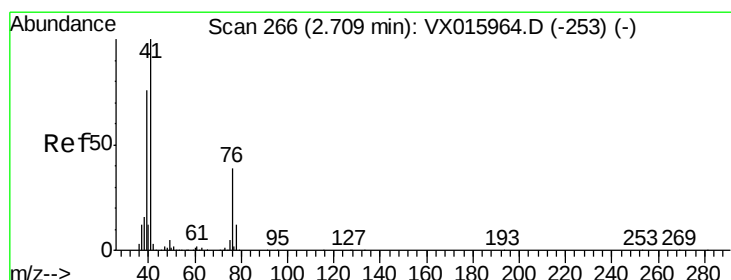
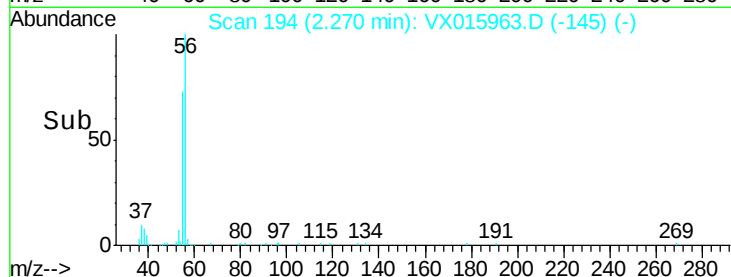
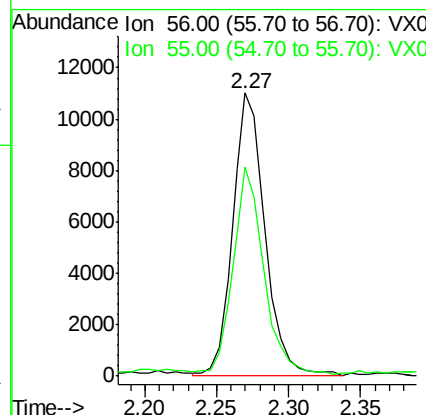
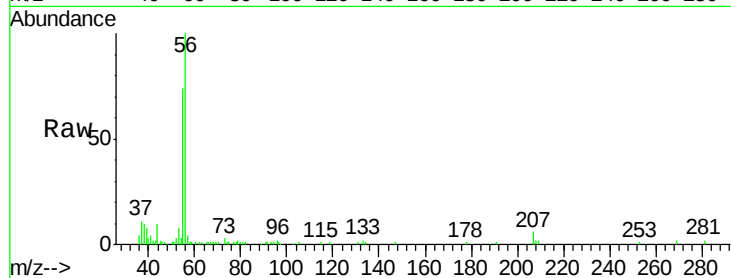
#13
Acrolein
Concen: 81.983 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.0	56.9	85.3

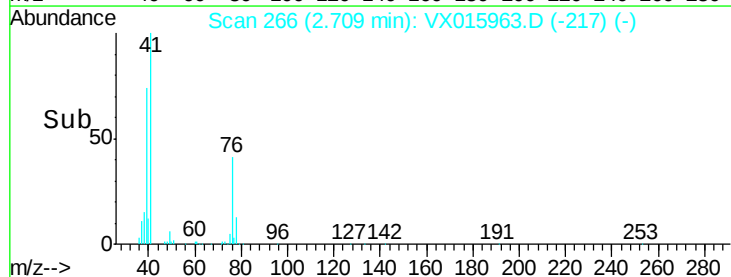
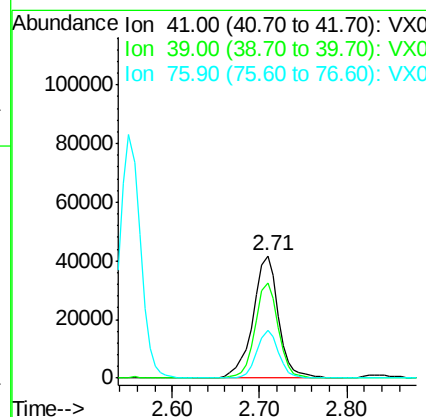
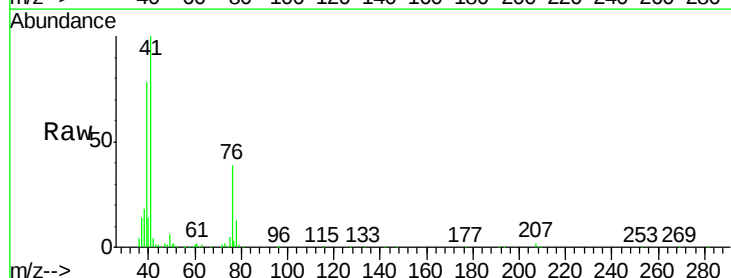
Manual Integrations
APPROVED

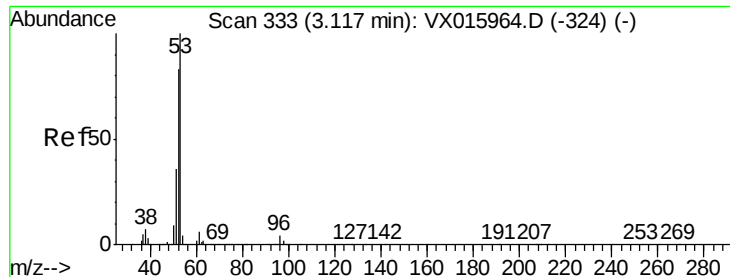
MMDadoda
4/30/2020 2:59:48 PM



#14
Allyl chloride
Concen: 18.329 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.5	55.4	83.0
76	33.4	27.1	40.7





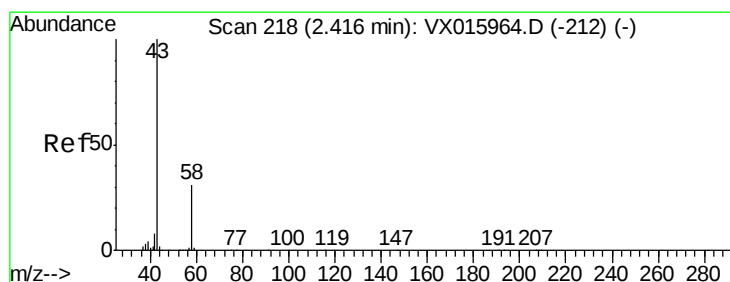
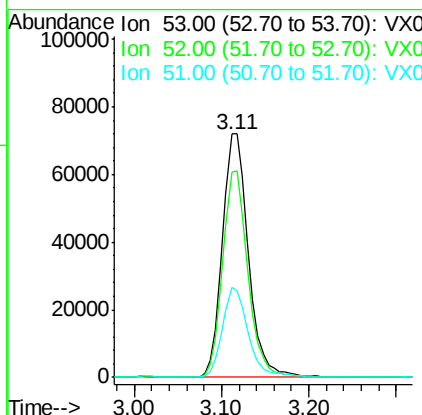
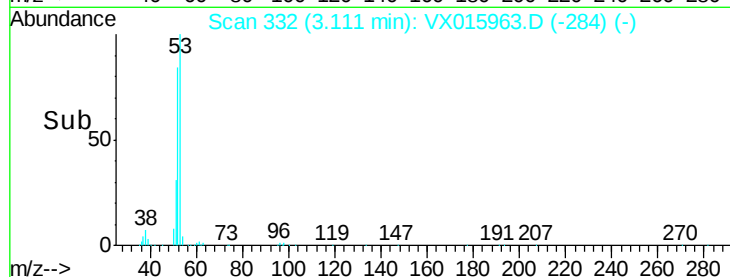
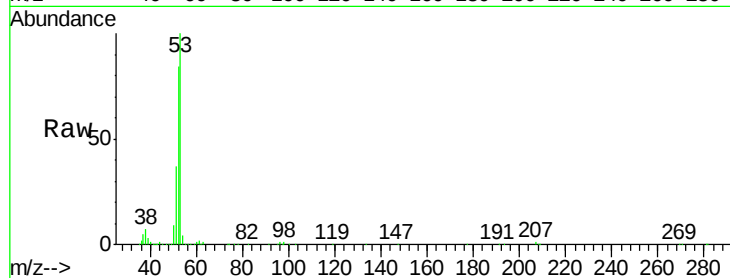
#15
 Acrylonitrile
 Concen: 89.703 ug/l
 RT: 3.11 min Scan# 332
 Delta R.T. -0.01 min
 Lab File: VX015963.D
 Acq: 28 Apr 2020 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	53	Resp:	148950
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.5	98.3
51	36.6	28.7	43.1

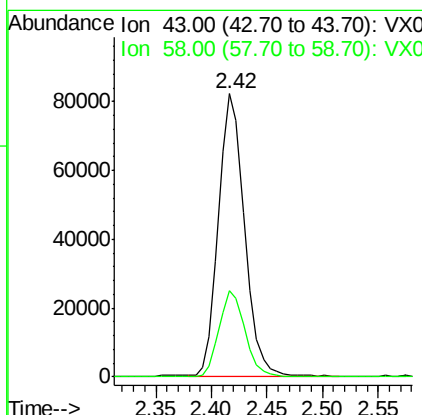
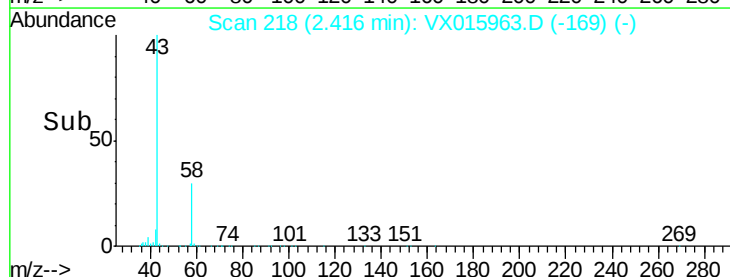
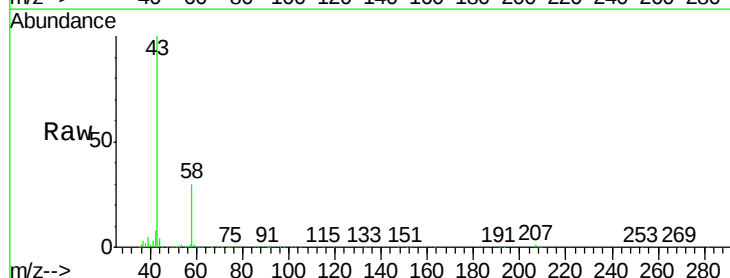
Manual Integrations
 APPROVED

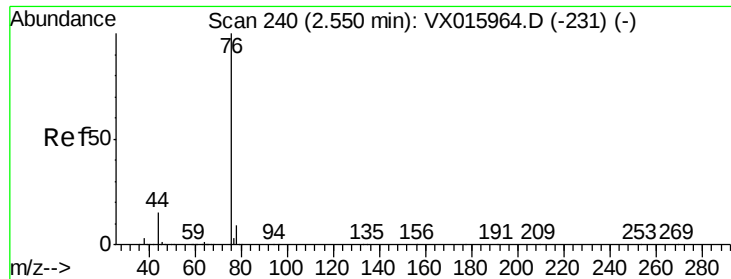
MMDadoda
 4/30/2020 2:59:48 PM



#16
 Acetone
 Concen: 90.082 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VX015963.D
 Acq: 28 Apr 2020 15:46

Tgt Ion:	43	Resp:	132894
Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.1	37.7





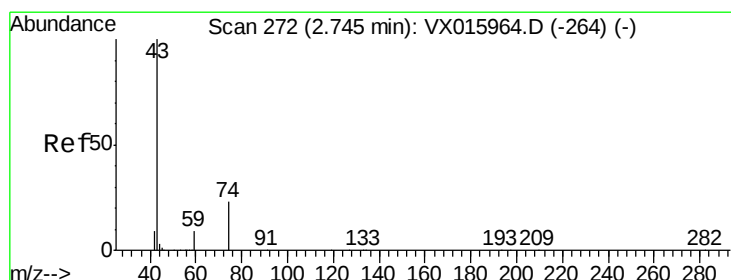
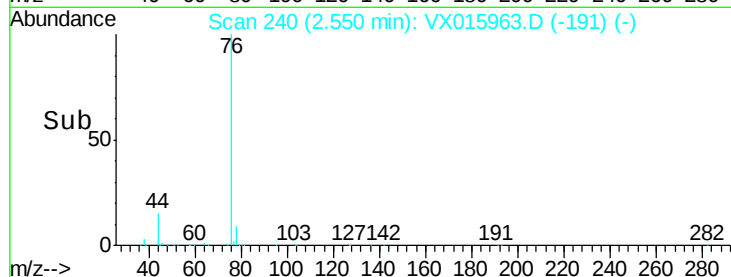
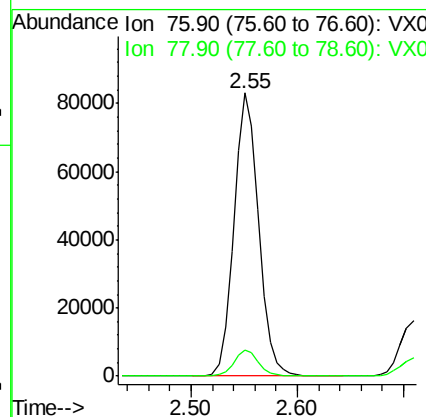
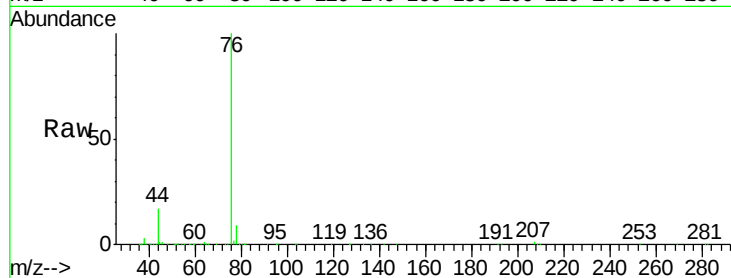
#17
Carbon Disulfide
Concen: 16.726 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

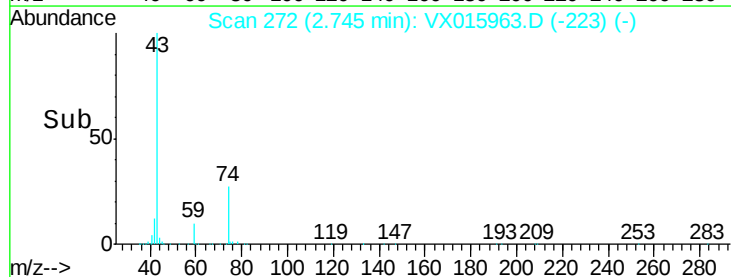
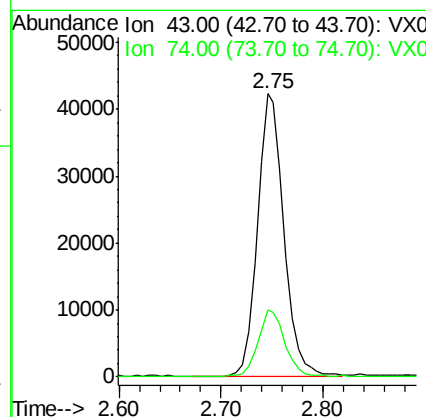
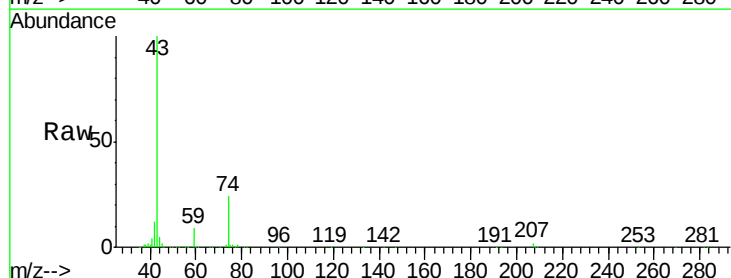
Manual Integrations
APPROVED

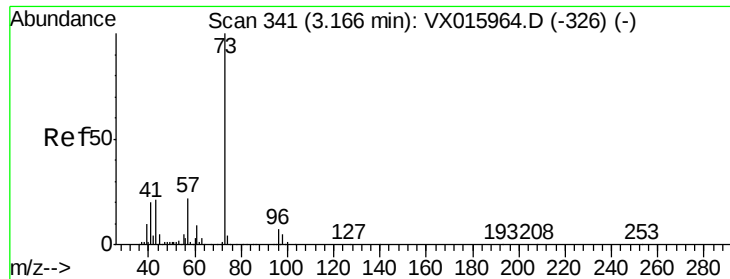
MMDadoda
4/30/2020 2:59:48 PM



#18
Methyl Acetate
Concen: 18.110 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.6	29.4





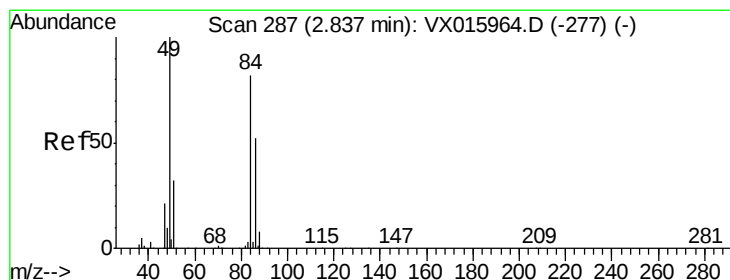
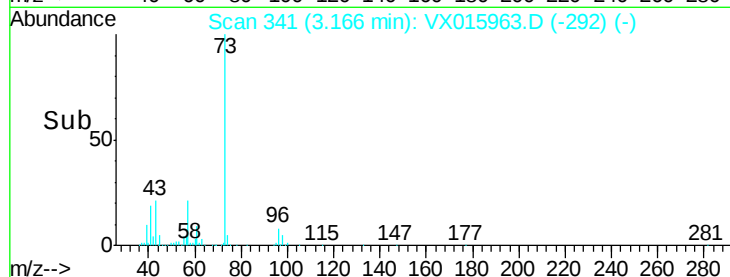
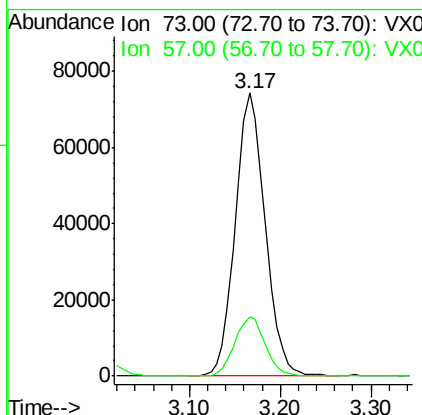
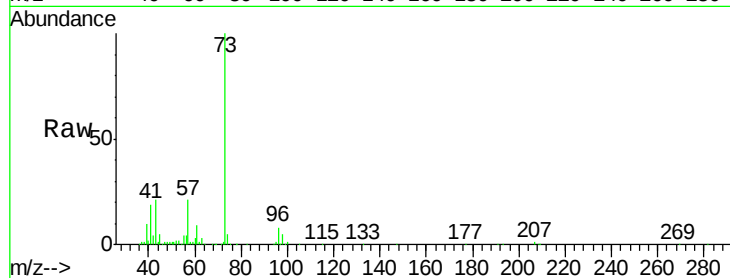
#19
Methvl tert-butvl Ether
Concen: 18.424 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.5	26.3

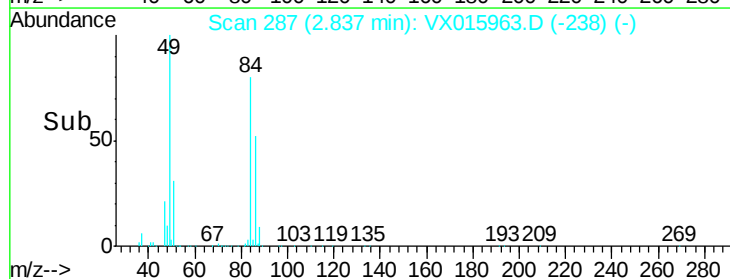
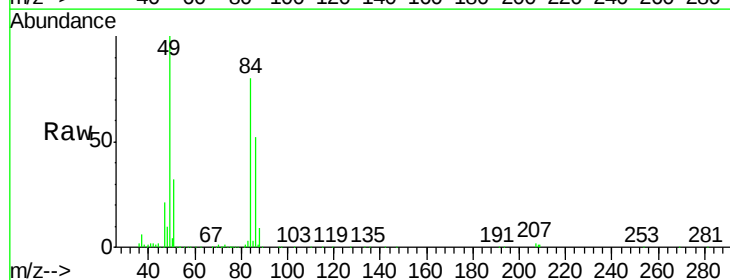
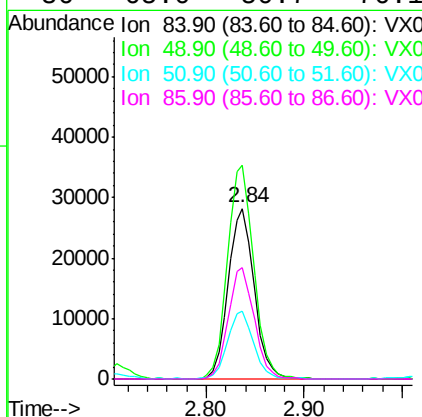
Manual Integrations
APPROVED

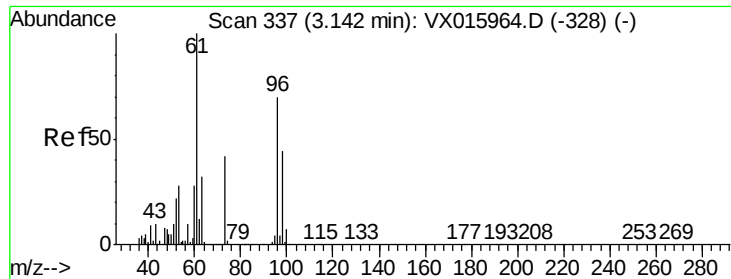
MMDadoda
4/30/2020 2:59:48 PM



#20
Methylene Chloride
Concen: 17.788 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.2	97.9	146.9
51	39.1	31.2	46.8
86	65.0	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 17.667 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

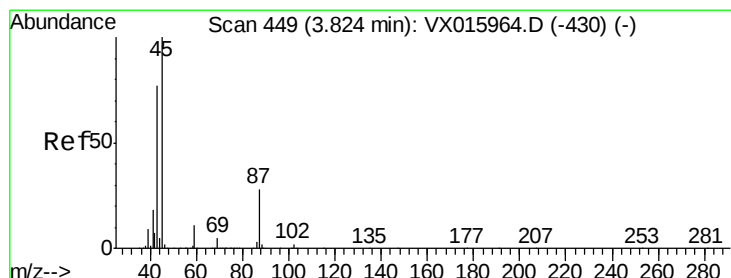
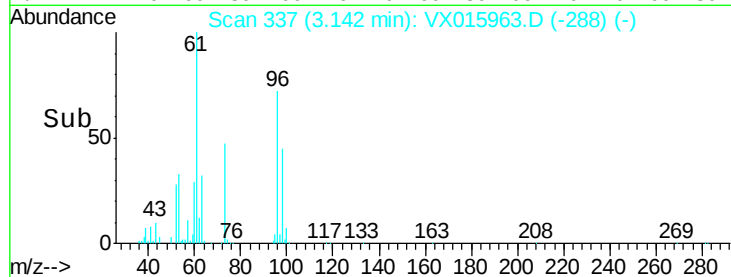
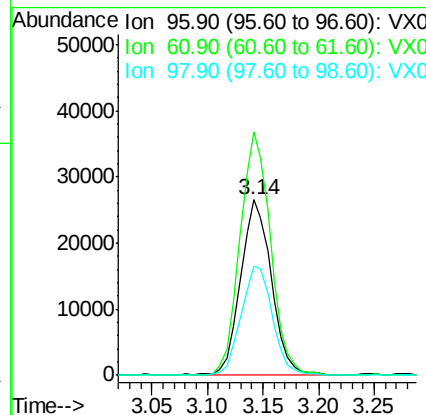
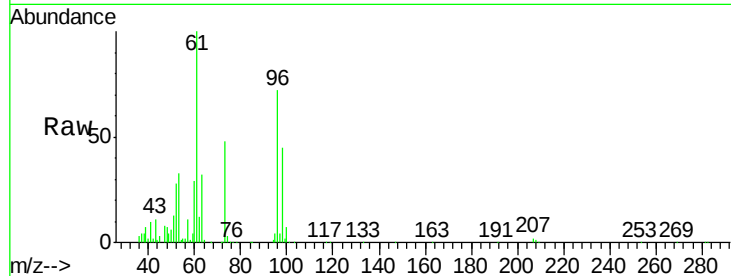
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	50267
Ion	Ratio	Lower	Upper
96	100		
61	139.2	113.6	170.4
98	62.3	50.3	75.5

Manual Integrations
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MMDadoda
4/30/2020 2:59:48 PM



#22

Diisopropyl ether

Concen: 18.266 ug/l

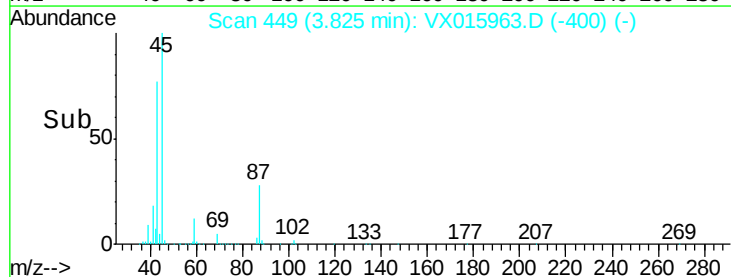
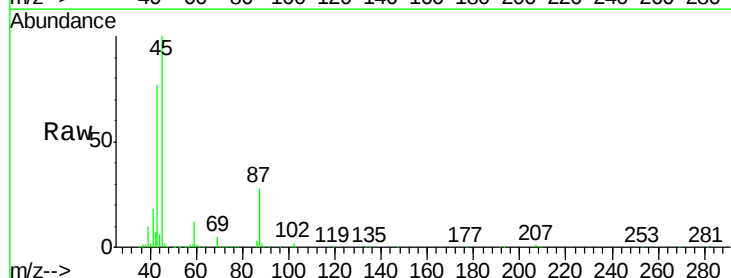
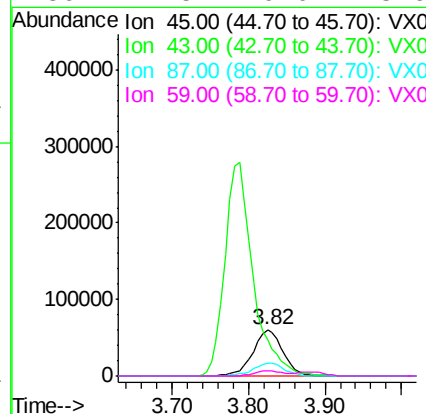
RT: 3.82 min Scan# 449

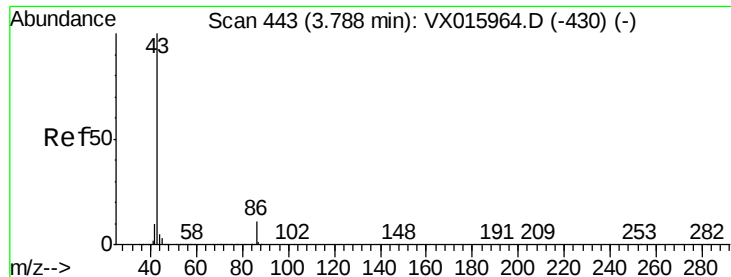
Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Tgt Ion:	45	Resp:	163474
Ion	Ratio	Lower	Upper
45	100		
43	76.8	61.3	91.9
87	27.7	22.6	33.8
59	11.5	9.0	13.6





#23

Vinyl Acetate

Concen: 92.265 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 717308

Ion Ratio Lower Upper

43 100

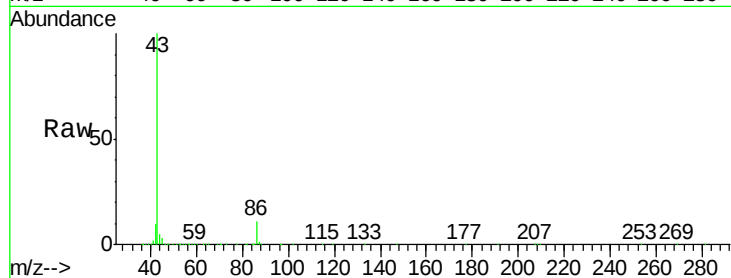
86 11.0 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.79

300000

250000

200000

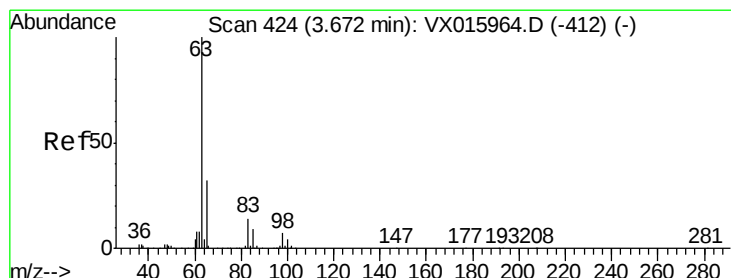
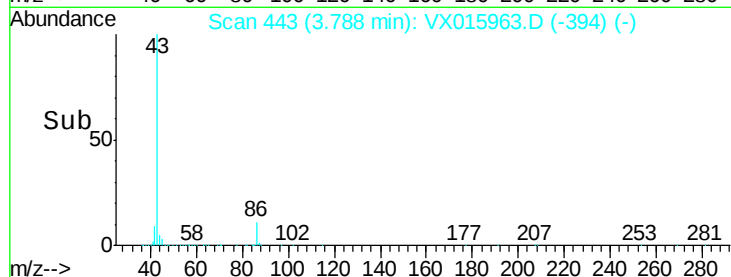
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.230 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

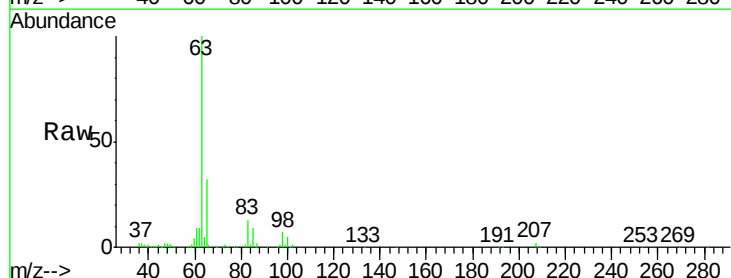
Tgt Ion: 63 Resp: 90887

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.6 2.2 6.6



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

50000

40000

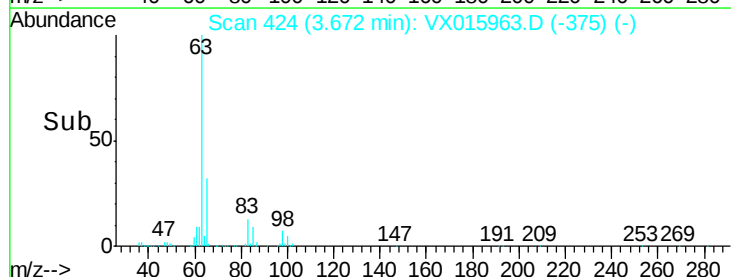
30000

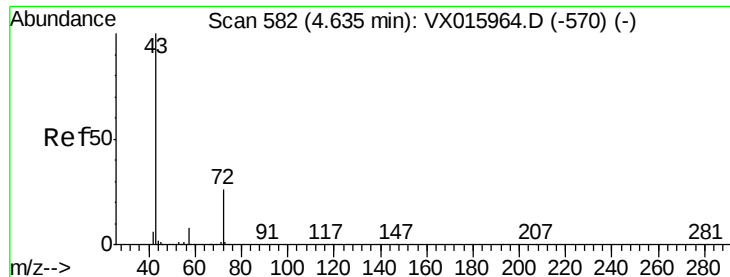
20000

10000

0

Time-->





#25

2-Butanone

Concen: 91.058 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 217684

Ion Ratio Lower Upper

43 100

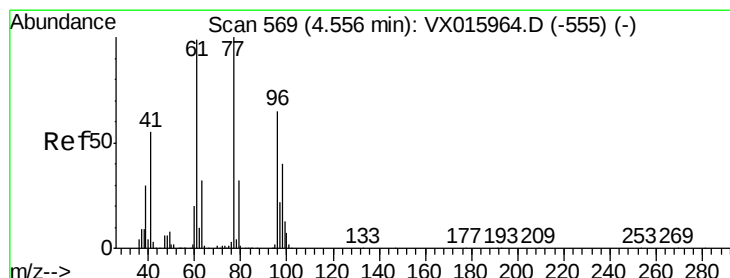
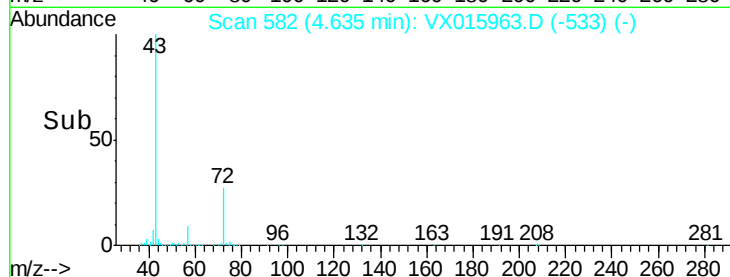
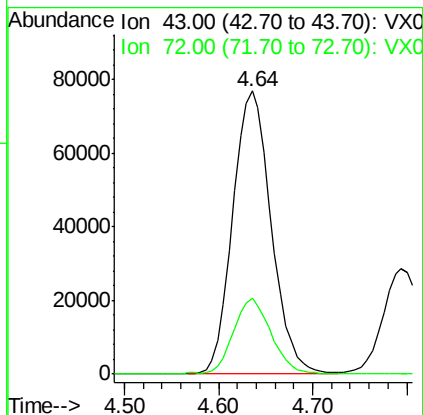
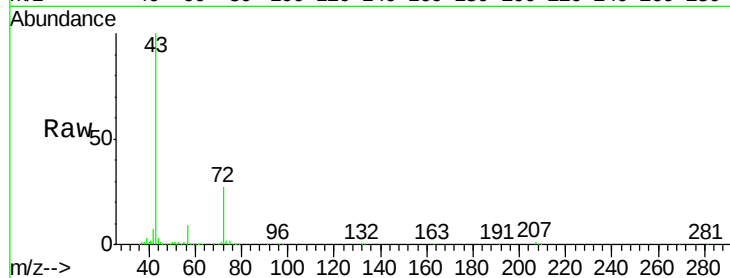
72 26.5 21.0 31.4

Manual Integrations

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MMDadoda

4/30/2020 2:59:48 PM



#26

2,2-Dichloropropane

Concen: 18.455 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015963.D

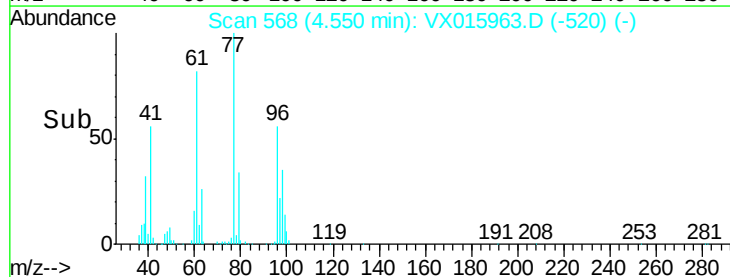
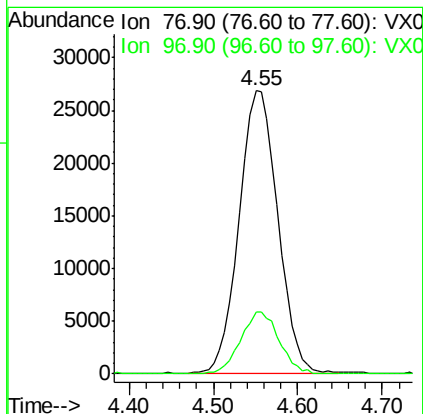
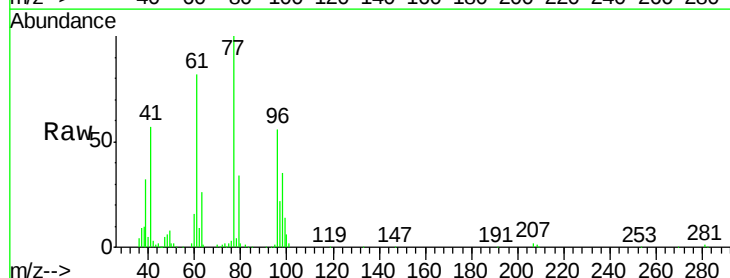
Acq: 28 Apr 2020 15:46

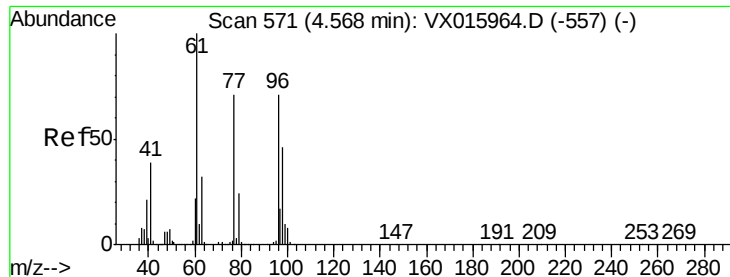
Tgt Ion: 77 Resp: 84128

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.3





#27

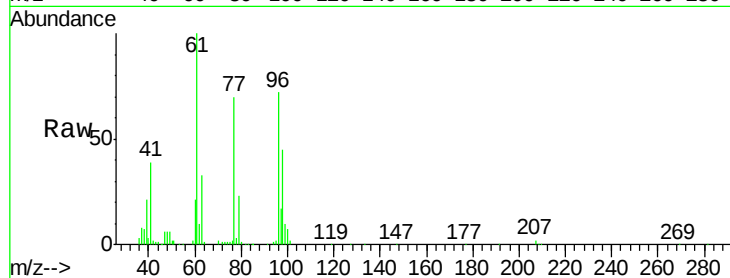
cis-1,2-Dichloroethene
Concen: 17.764 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	294.2
98	64.7	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
4/30/2020 2:59:48 PM

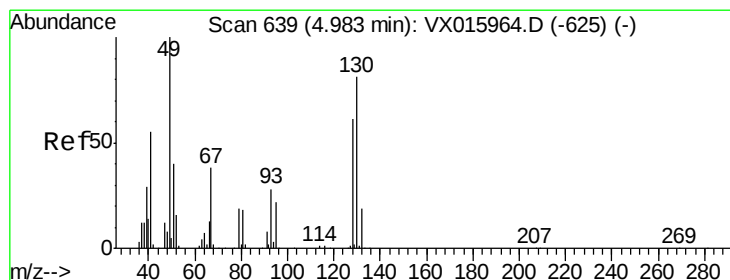
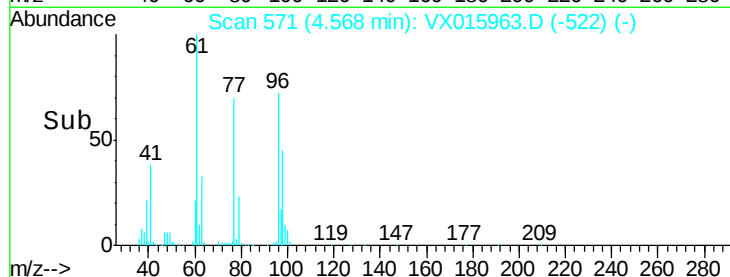
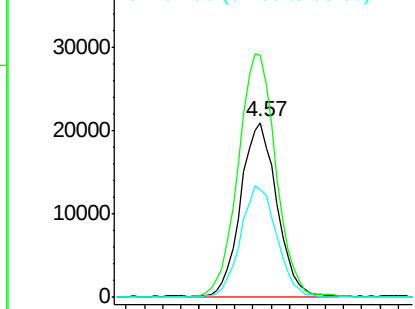


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

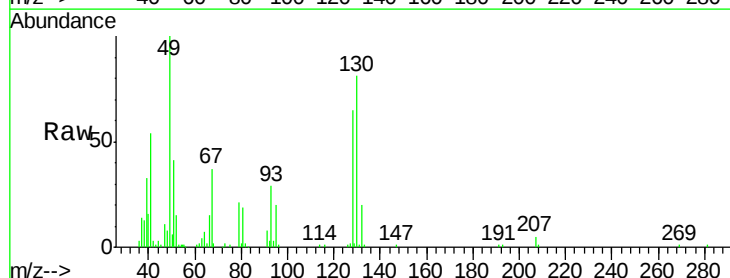
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 18.305 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	79.2	63.9	95.9

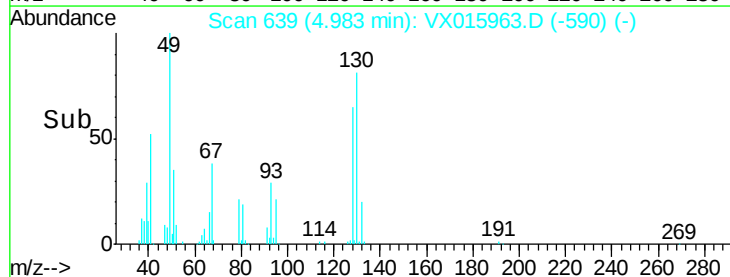
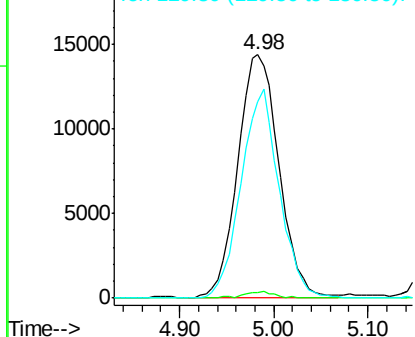


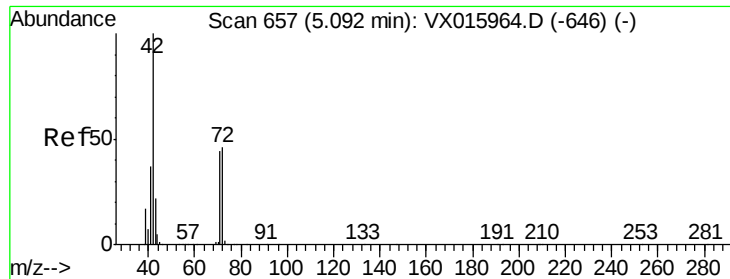
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





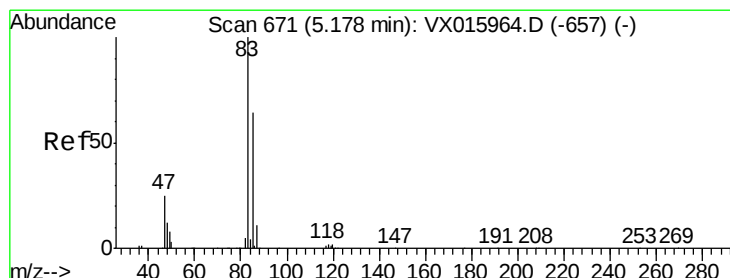
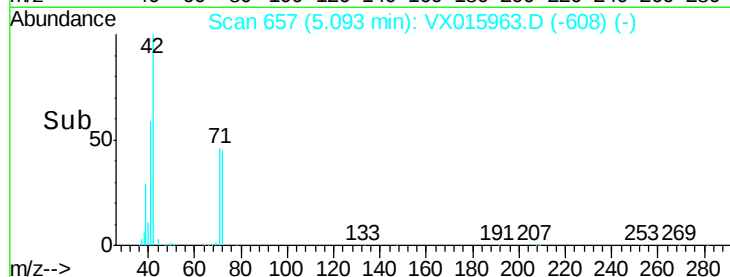
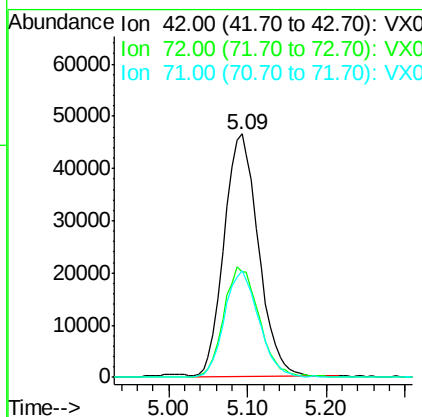
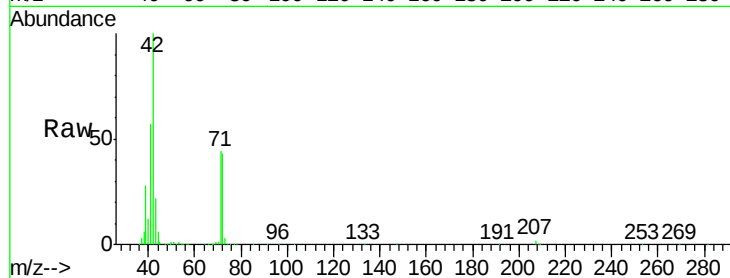
#29
Tetrahydrofuran
Concen: 90.111 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	141177
Ion Ratio		Lower	Upper
42	100		
72	47.1	37.4	56.0
71	43.9	34.6	52.0

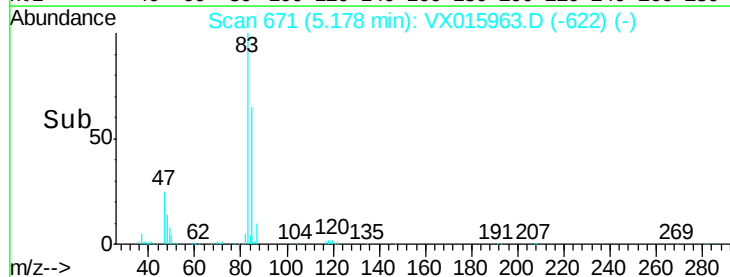
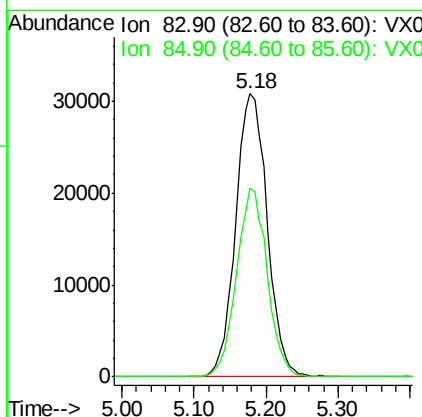
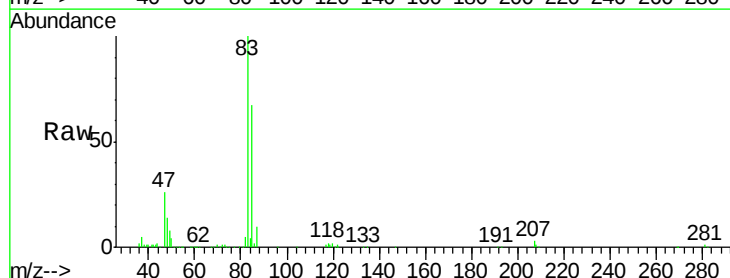
Manual Integrations
APPROVED

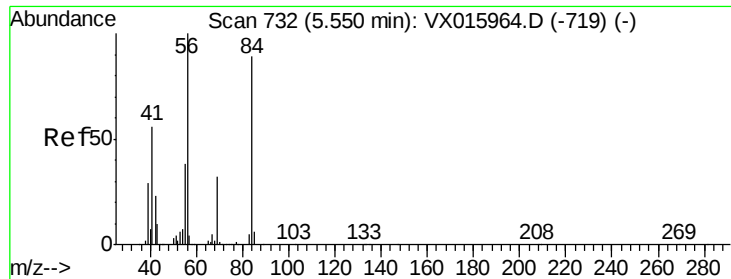
MMDadoda
4/30/2020 2:59:48 PM



#30
Chloroform
Concen: 18.070 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion:	83	Resp:	93678
Ion Ratio		Lower	Upper
83	100		
85	66.6	51.0	76.4





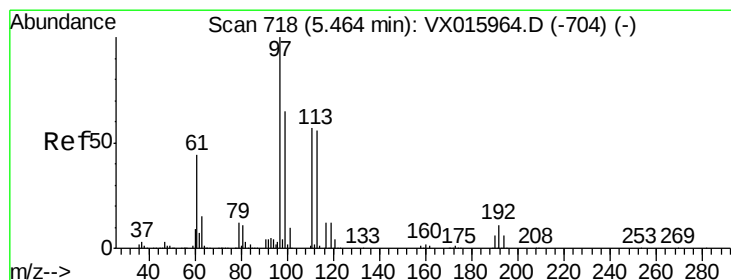
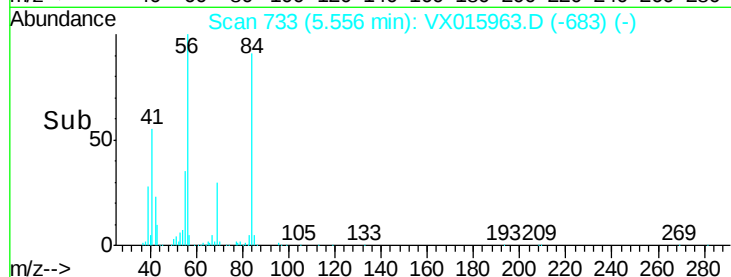
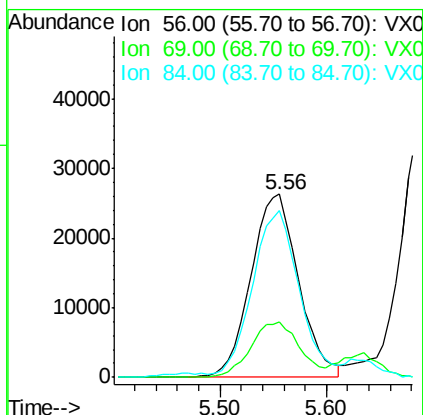
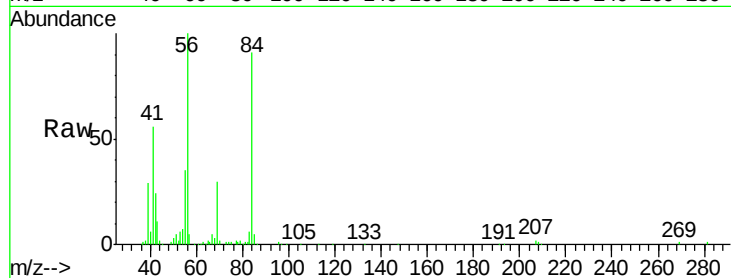
#31
Cvclohexane
Concen: 18.553 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.4	38.2
84	89.3	71.0	106.6

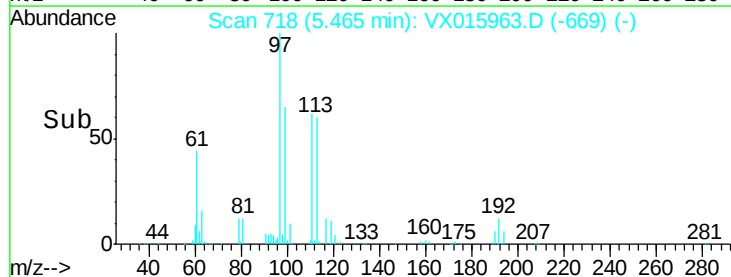
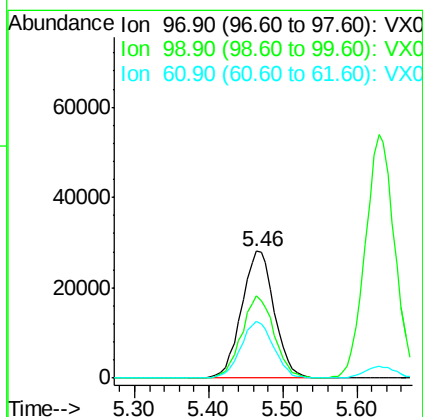
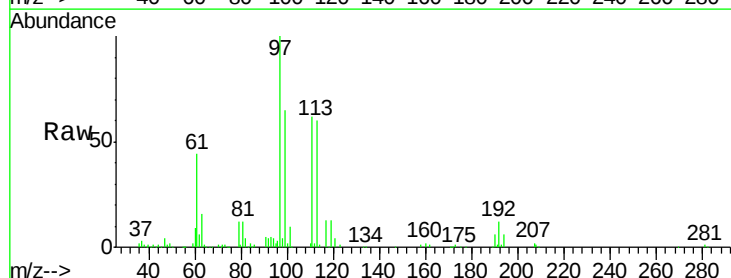
Manual Integrations
APPROVED

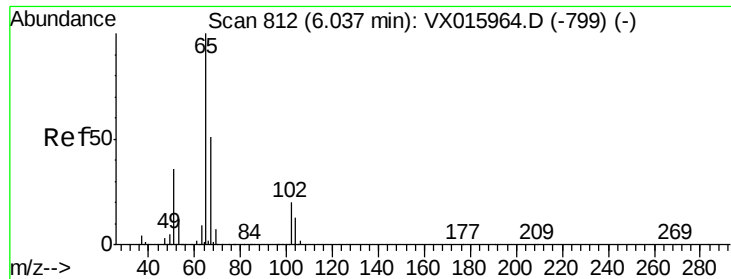
MMDadoda
4/30/2020 2:59:48 PM



#32
1,1,1-Trichloroethane
Concen: 18.109 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	44.8	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 18.676 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 64432

Ion Ratio Lower Upper

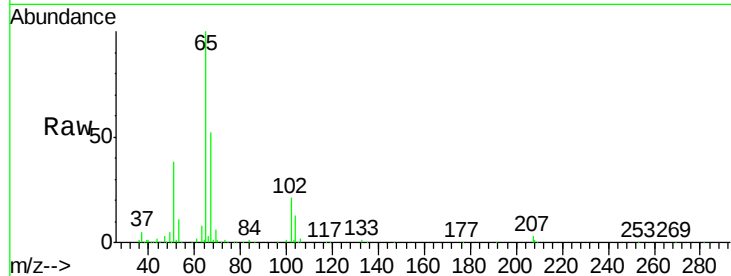
65 100

67 52.3 0.0 102.4

Manual Integrations
APPROVED

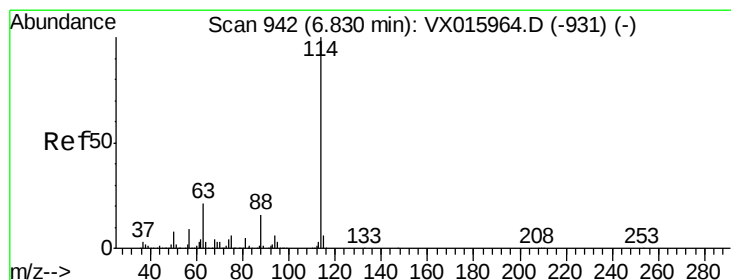
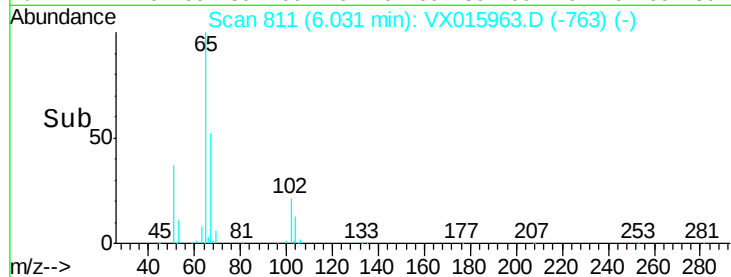
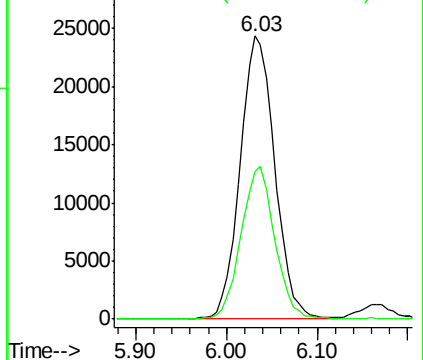
MMDadoda

4/30/2020 2:59:48 PM



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

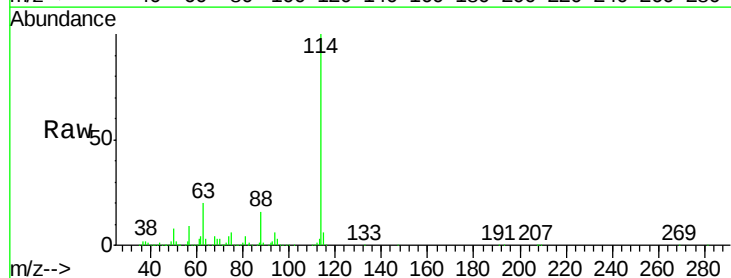
Tgt Ion: 114 Resp: 419132

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.2

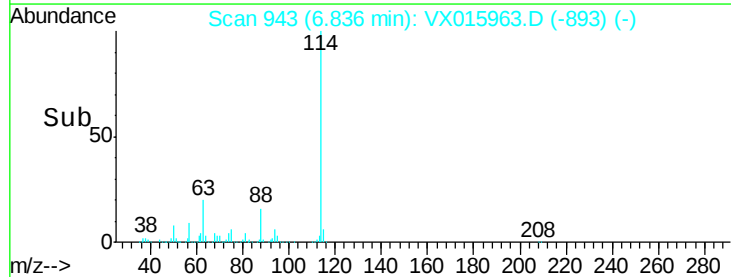
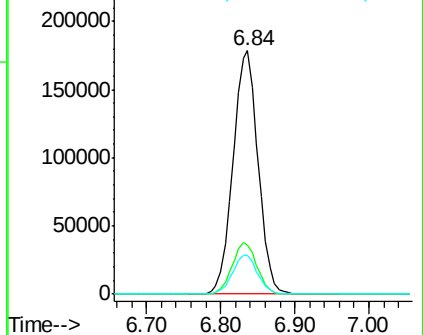
88 15.8 0.0 31.8

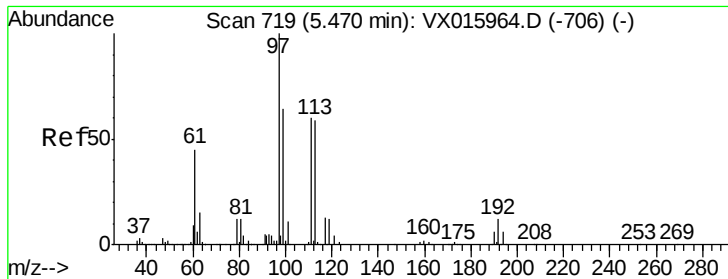


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





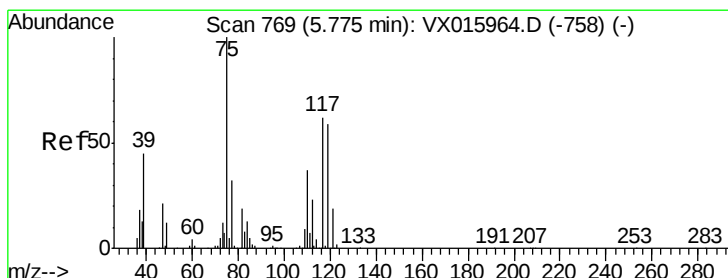
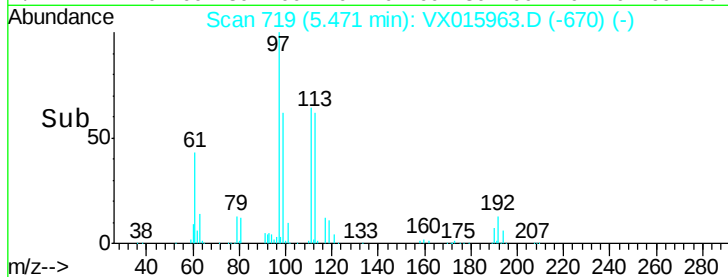
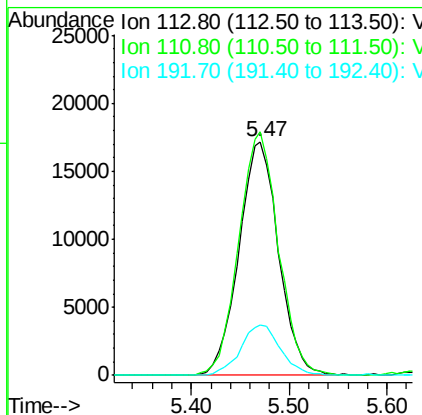
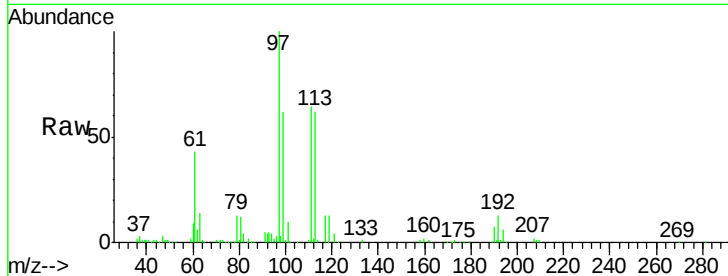
#35
Dibromofluoromethane
Concen: 18.434 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.8	122.8
192	21.7	16.8	25.2

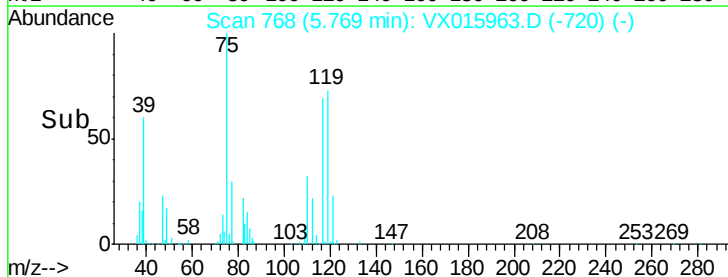
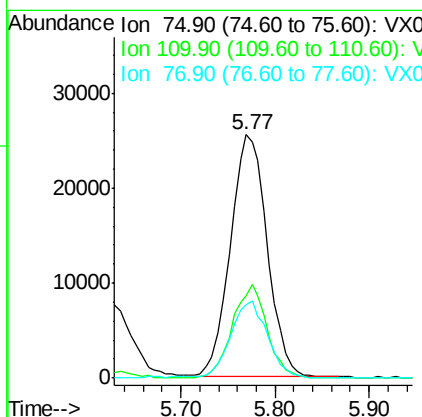
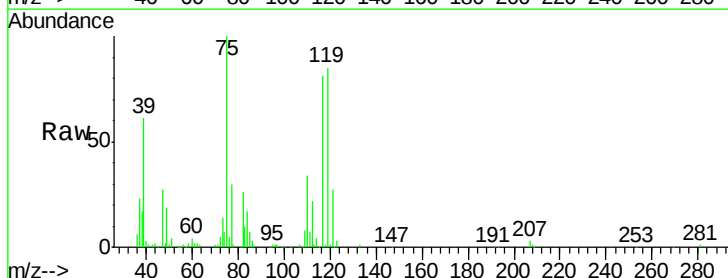
Manual Integrations
APPROVED

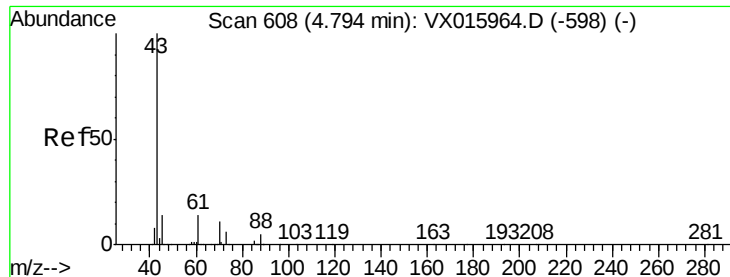
MMDadoda
4/30/2020 2:59:48 PM



#36
1,1-Dichloropropene
Concen: 17.390 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.9	53.7
77	31.4	25.2	37.8





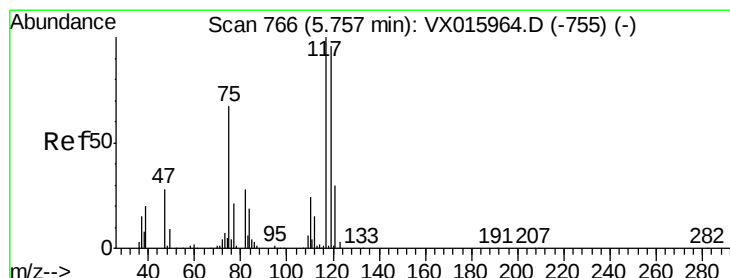
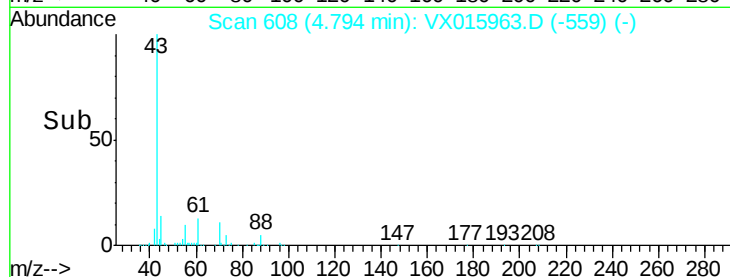
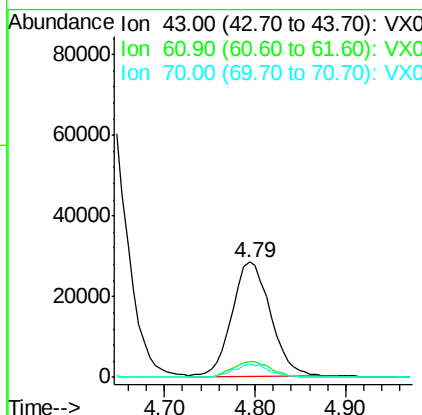
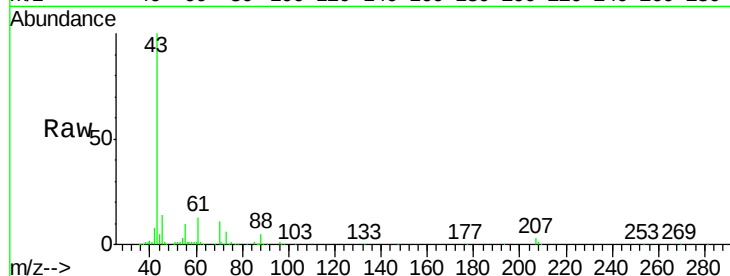
#37
Ethyl Acetate
Concen: 18.302 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	43	Resp:	83779
Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.6	17.4
70	10.7	8.9	13.3

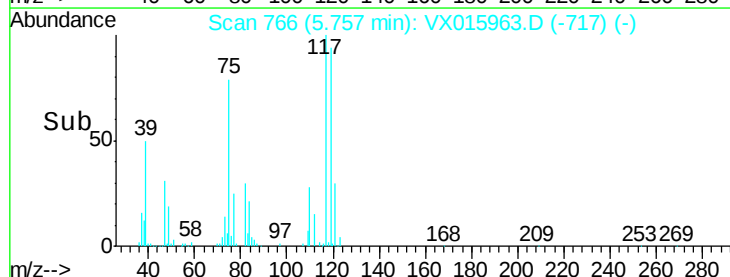
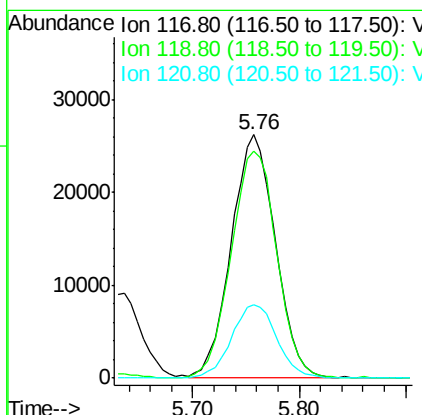
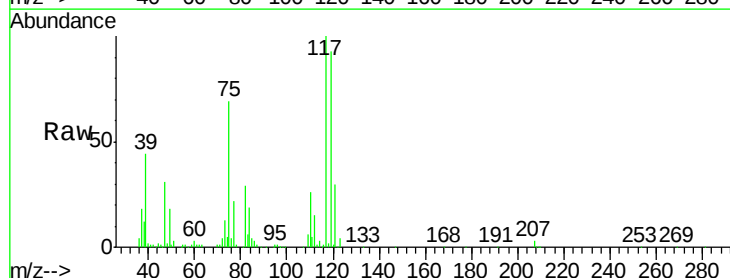
Manual Integrations
APPROVED

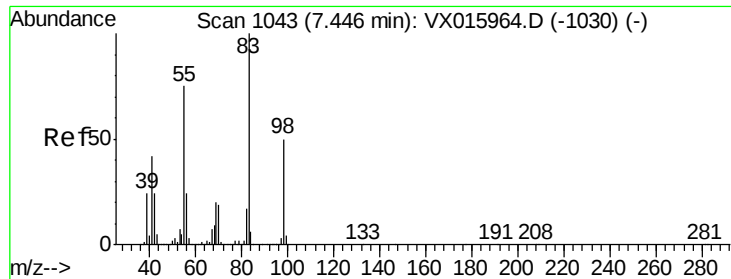
MMDadoda
4/30/2020 2:59:48 PM



#38
Carbon Tetrachloride
Concen: 18.000 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion:	117	Resp:	75895
Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.2	114.4
121	30.0	24.2	36.4





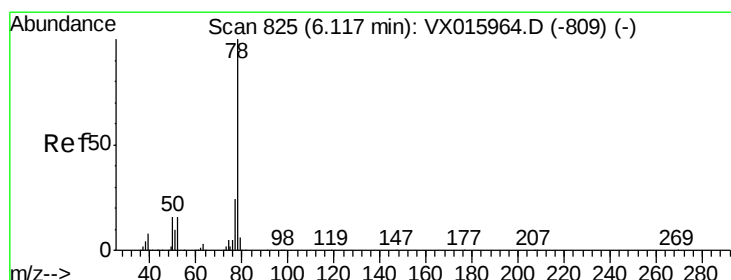
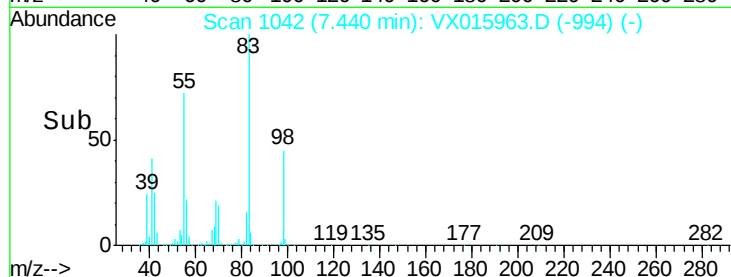
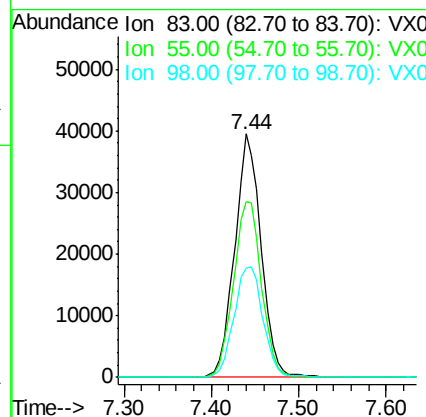
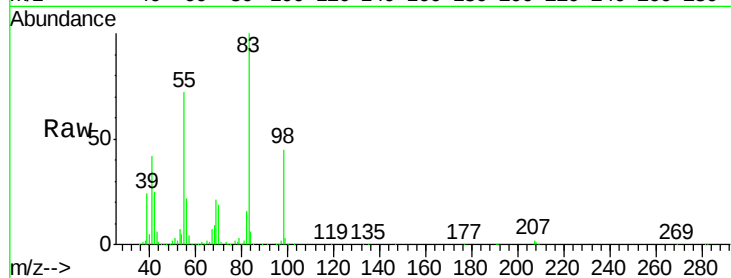
#39
Methvlcvclohexane
Concen: 17.980 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	59.9	89.9
98	44.7	39.9	59.9

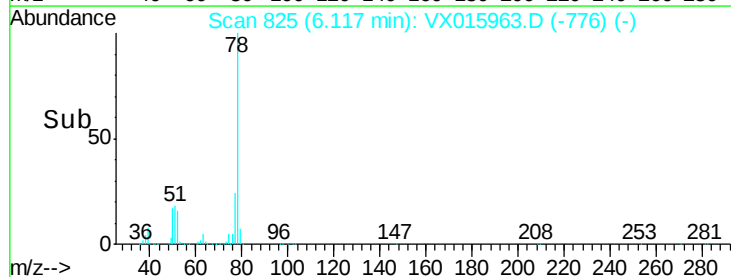
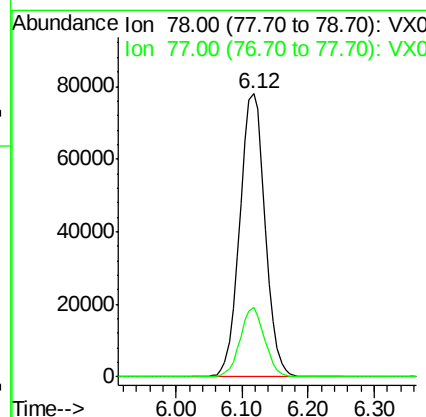
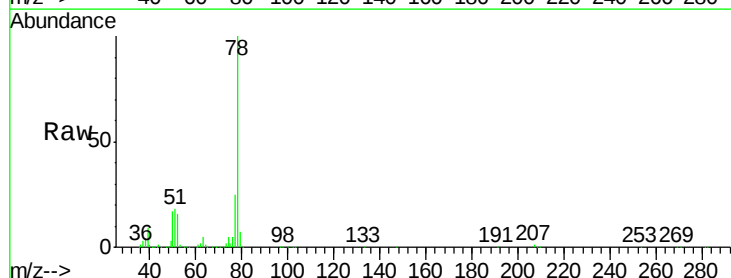
Manual Integrations
APPROVED

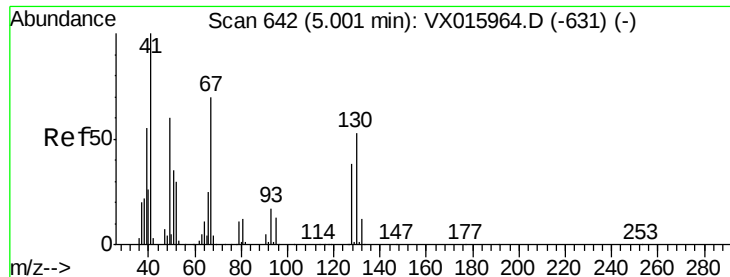
MMDadoda
4/30/2020 2:59:48 PM



#40
Benzene
Concen: 18.168 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2





#41

Methacrylonitrile

Concen: 17.687 ug/l

RT: 5.00 min Scan# 642

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 43337

Ion Ratio Lower Upper

41 100

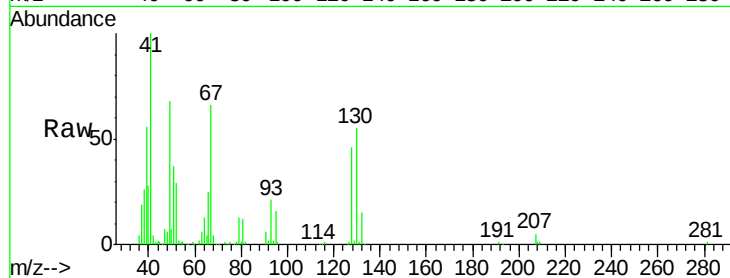
39 58.0 45.2 67.8

67 73.8 59.4 89.2

52 31.0 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
4/30/2020 2:59:48 PM

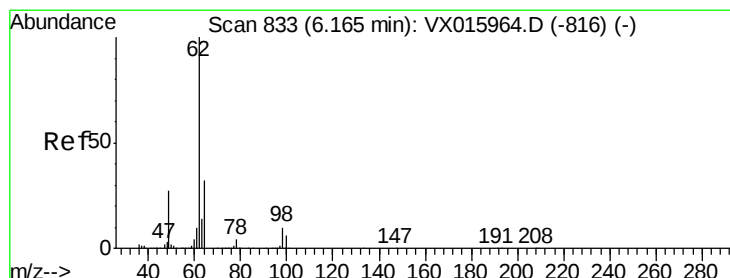
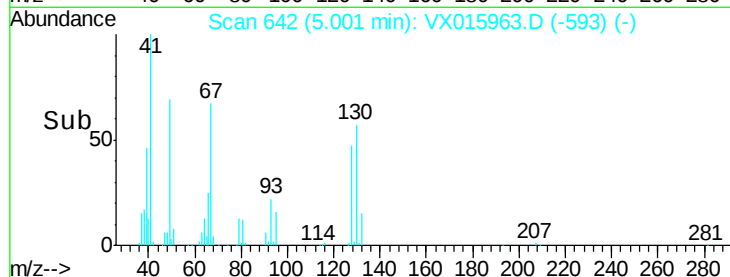
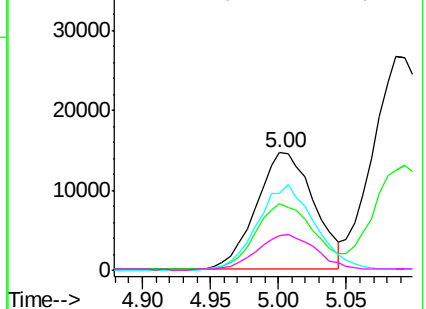


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 17.952 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX015963.D

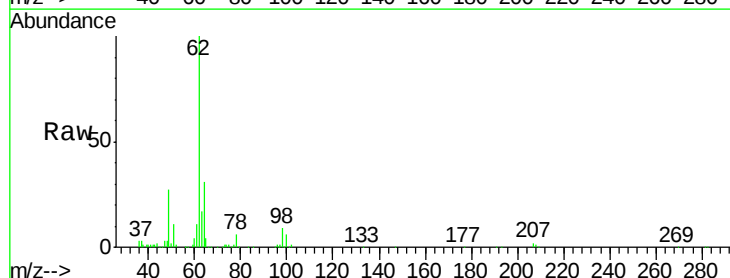
Acq: 28 Apr 2020 15:46

Tgt Ion: 62 Resp: 79230

Ion Ratio Lower Upper

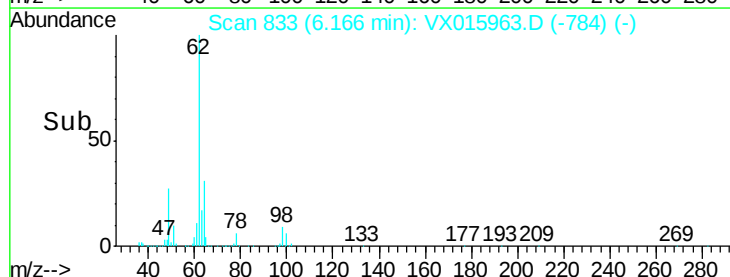
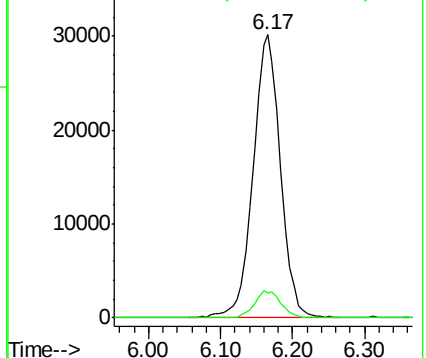
62 100

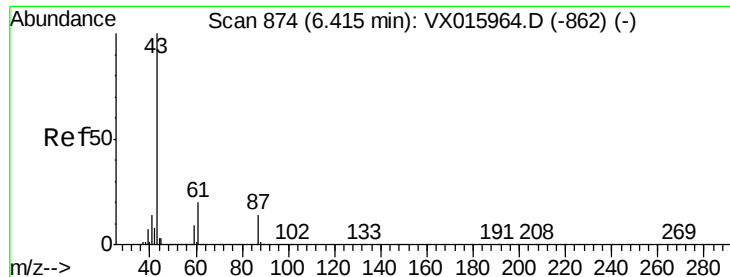
98 9.3 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 17.889 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

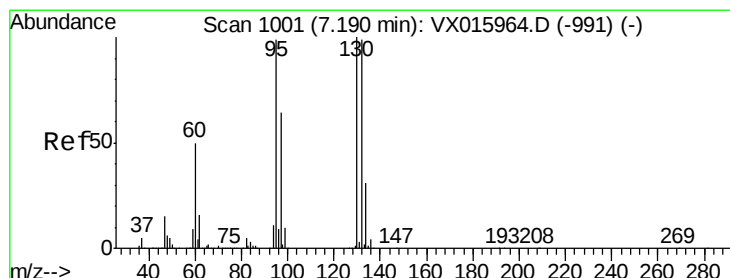
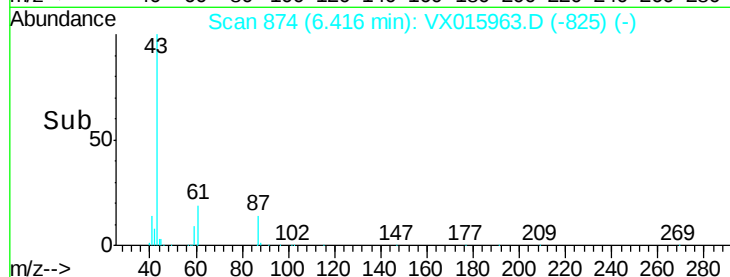
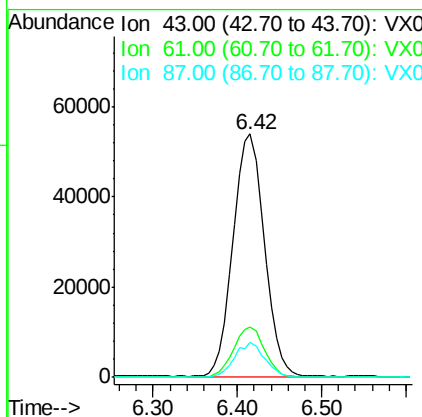
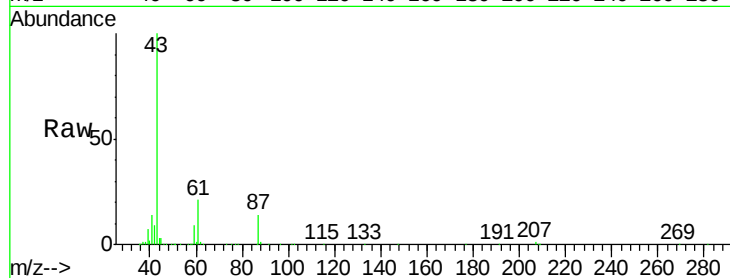
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	135601
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.1	24.1
87	13.7	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 18.392 ug/l

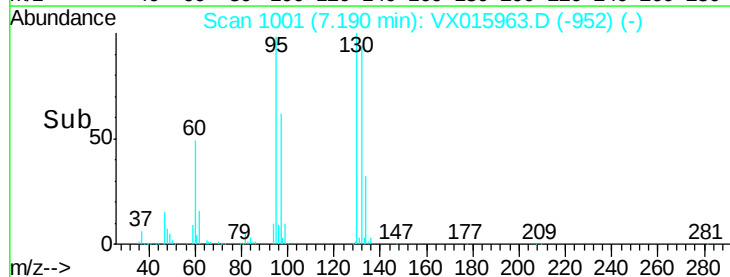
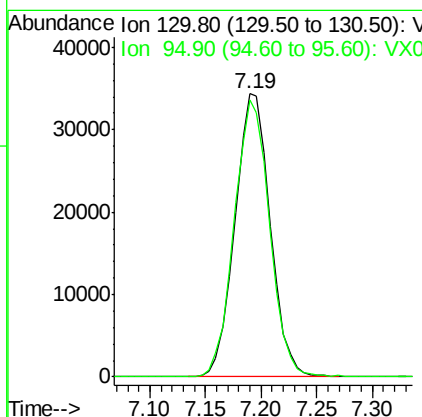
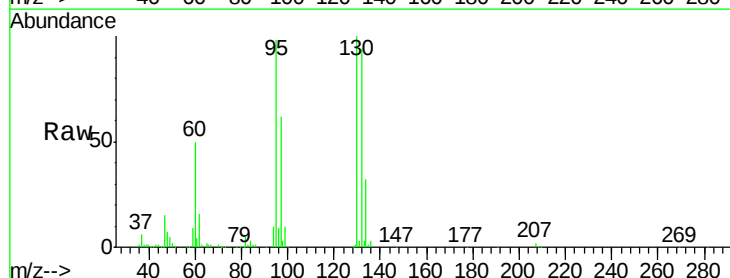
RT: 7.19 min Scan# 1001

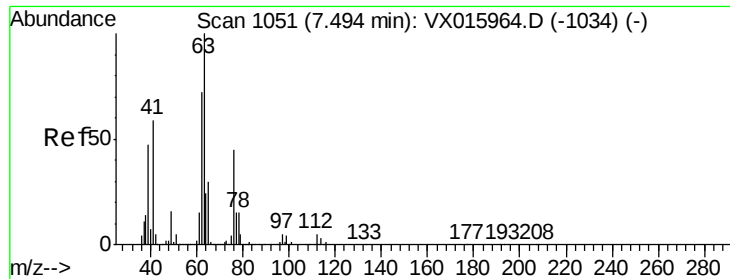
Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Tgt Ion:	130	Resp:	75508
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	197.4





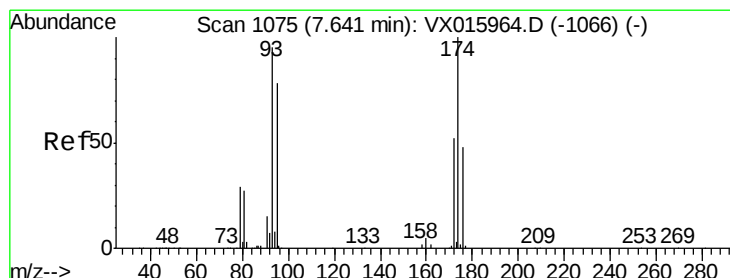
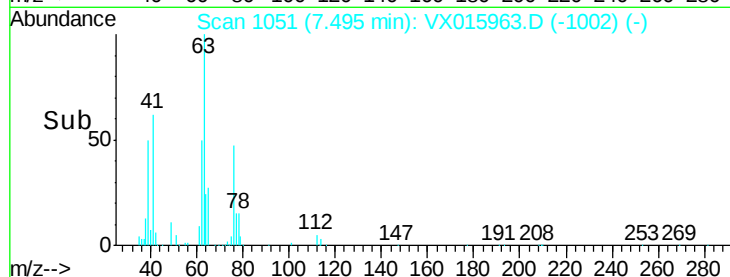
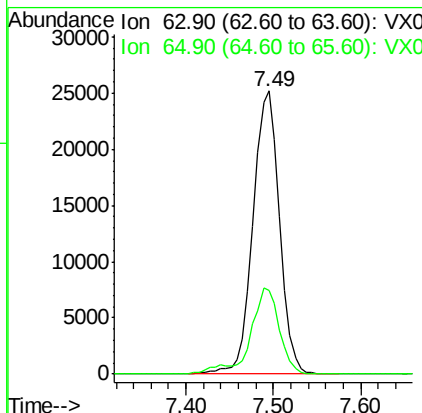
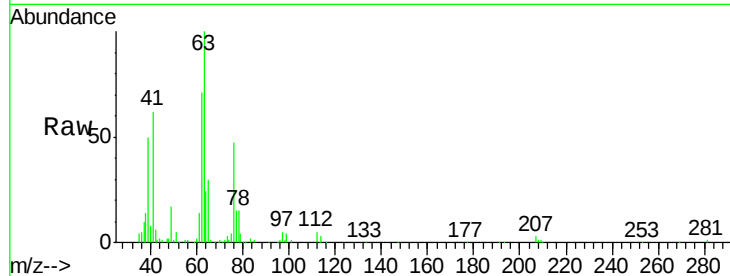
#45
 1,2-Dichloropropane
 Concen: 17.983 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX015963.D
 Acq: 28 Apr 2020 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.3	36.5

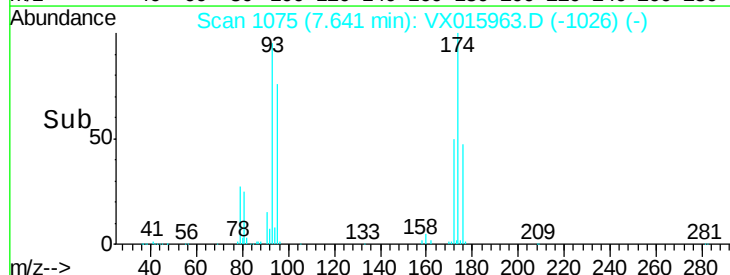
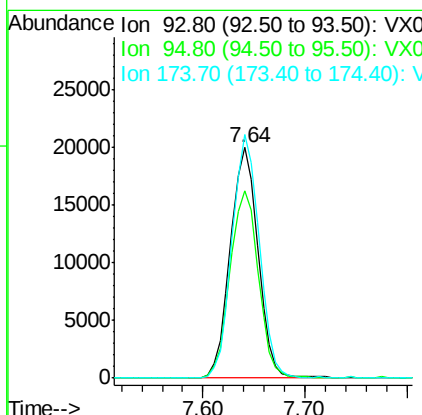
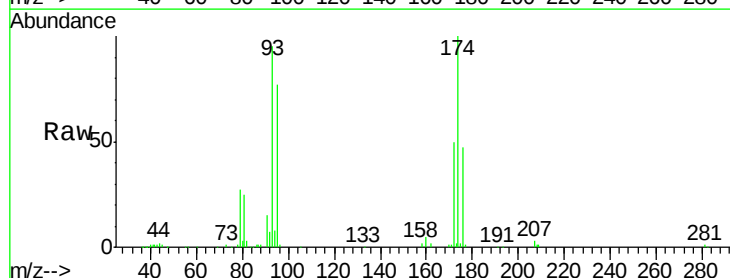
Manual Integrations
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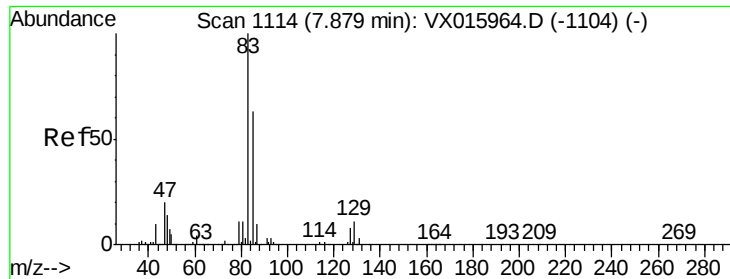
MMDadoda
 4/30/2020 2:59:48 PM



#46
 Dibromomethane
 Concen: 18.008 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX015963.D
 Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.5	98.3
174	103.5	82.7	124.1





#47

Bromodichloromethane

Concen: 18.052 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

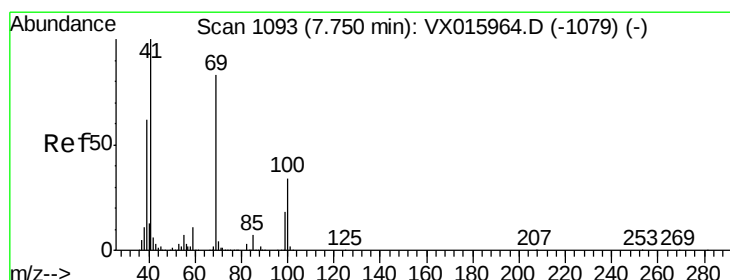
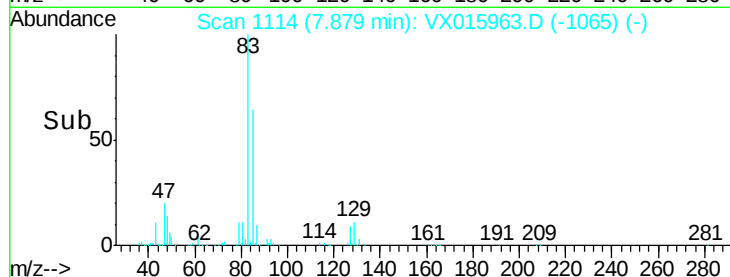
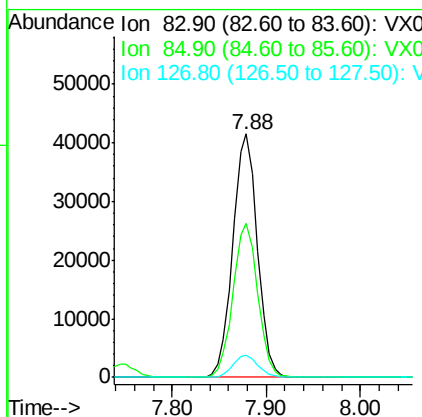
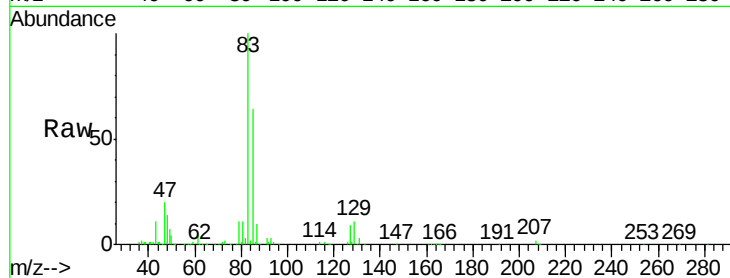
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	75037
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.6	75.8
127	9.1	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.040 ug/l

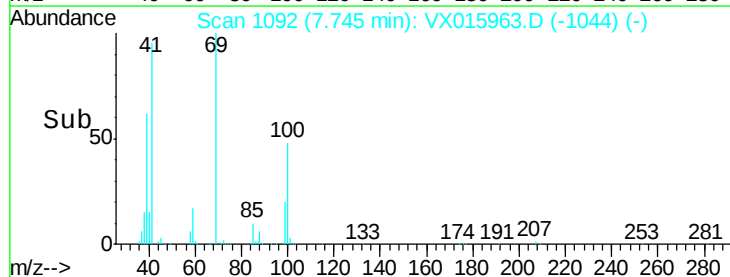
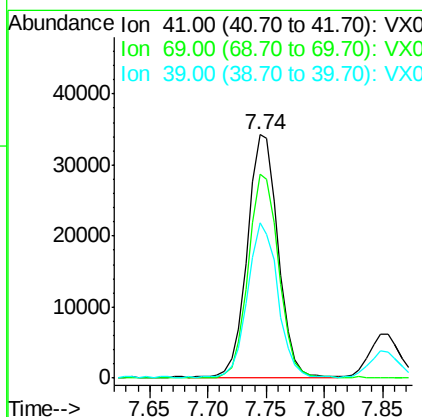
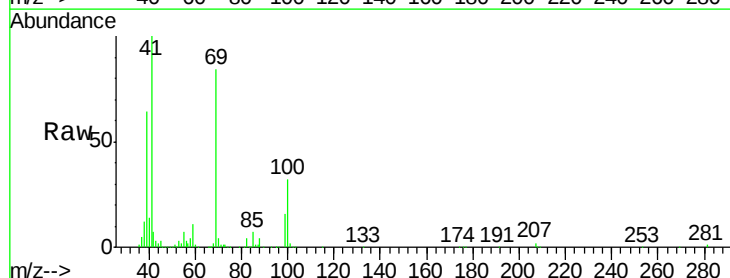
RT: 7.74 min Scan# 1092

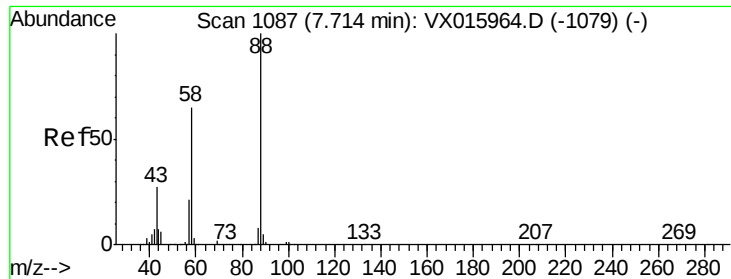
Delta R.T. -0.01 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Tgt Ion:	41	Resp:	63137
Ion Ratio	Lower	Upper	
41	100		
69	83.6	66.0	99.0
39	62.0	49.0	73.4





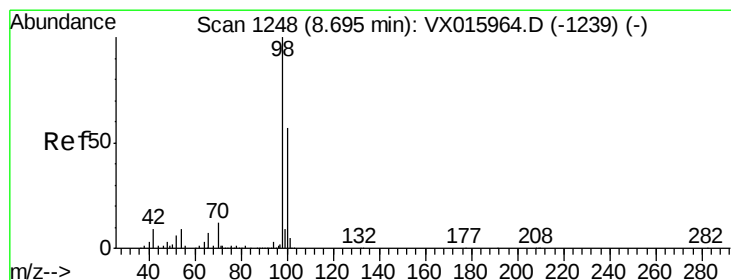
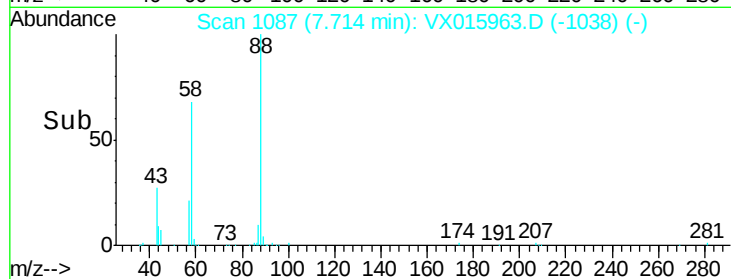
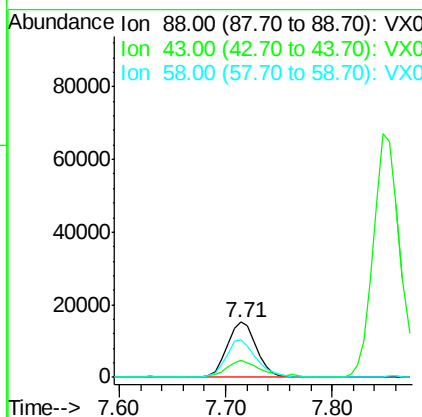
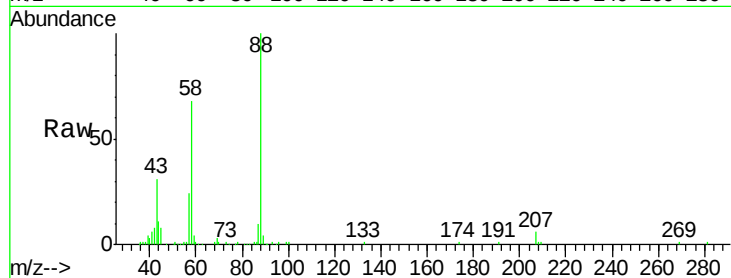
#49
1,4-Dioxane
Concen: 362.061 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.6	39.8
58	69.5	54.8	82.2

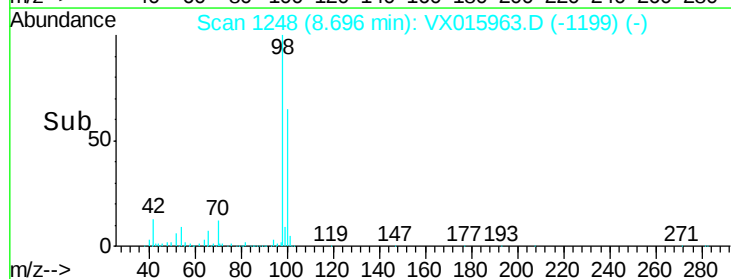
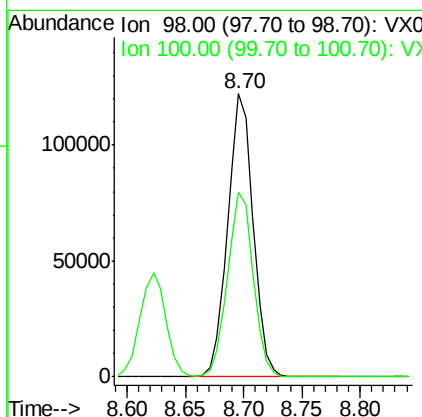
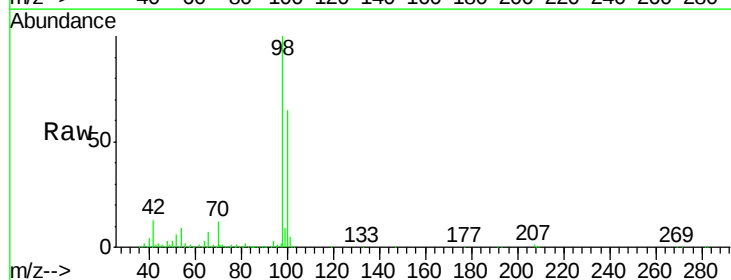
Manual Integrations
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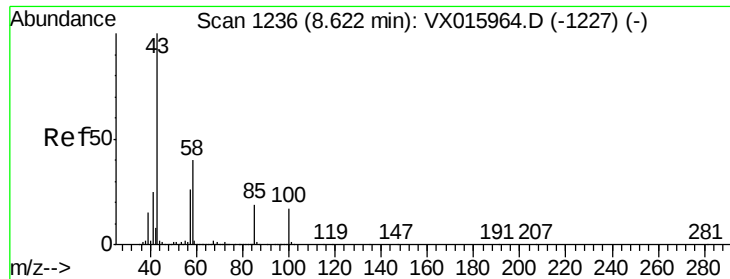
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#50
Toluene-d8
Concen: 19.004 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 92.046 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 423212

Ion Ratio Lower Upper

43 100

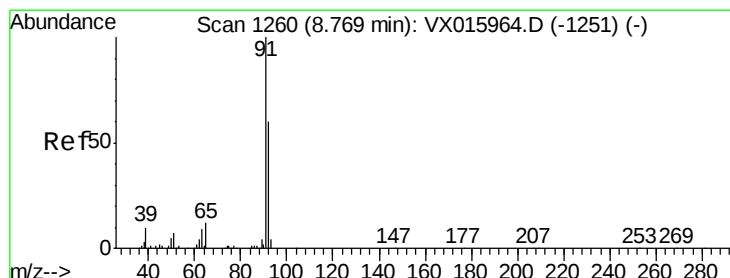
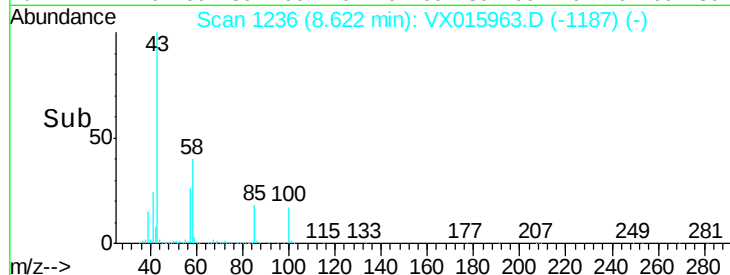
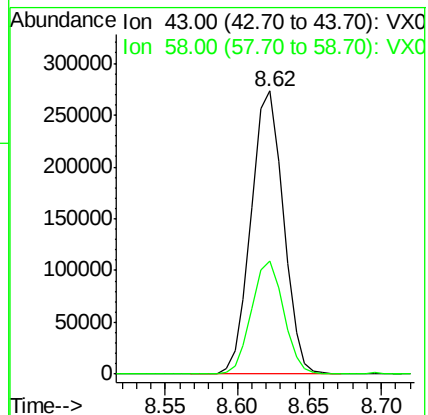
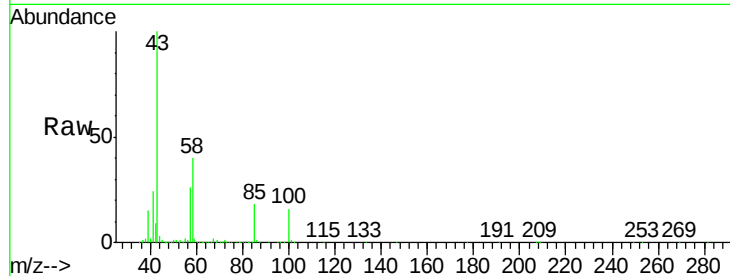
58 39.9 32.0 48.0

Manual Integrations

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#52

Toluene

Concen: 18.074 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015963.D

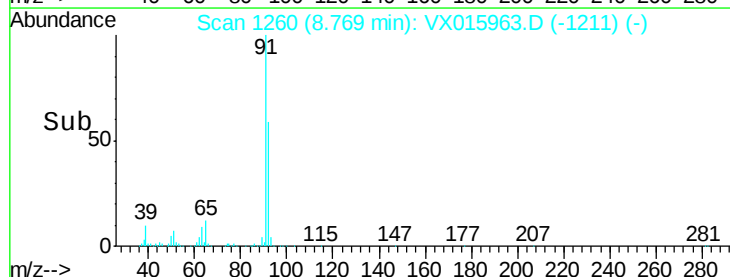
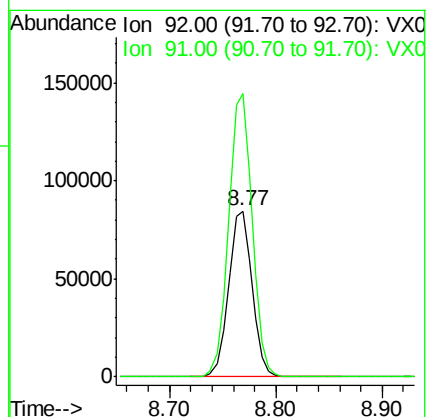
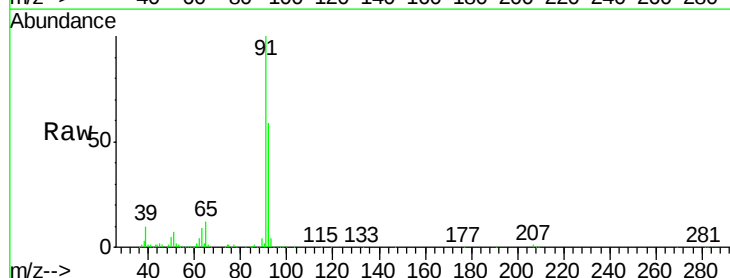
Acq: 28 Apr 2020 15:46

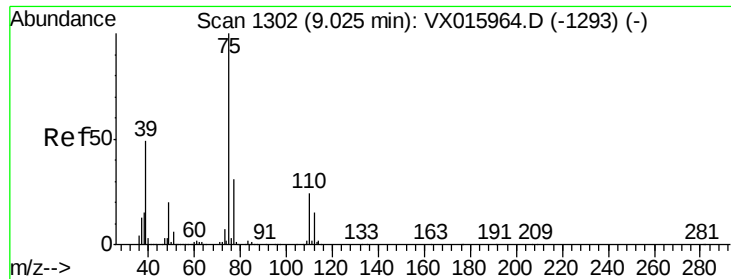
Tgt Ion: 92 Resp: 130677

Ion Ratio Lower Upper

92 100

91 171.6 134.6 202.0





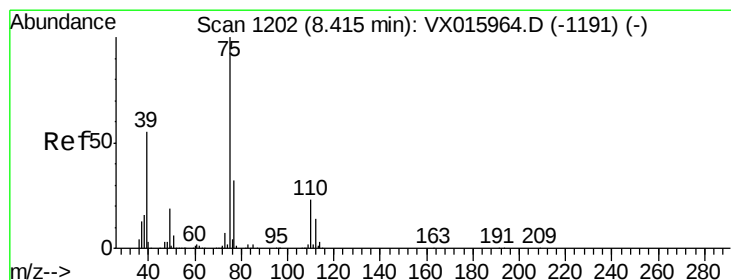
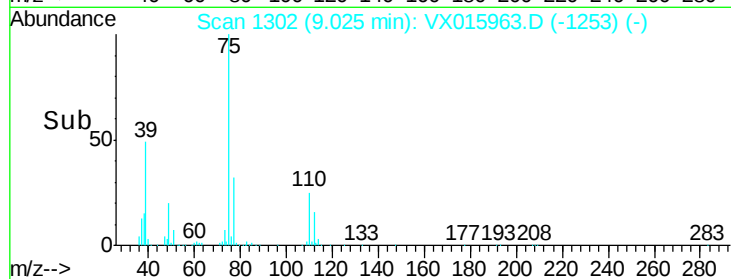
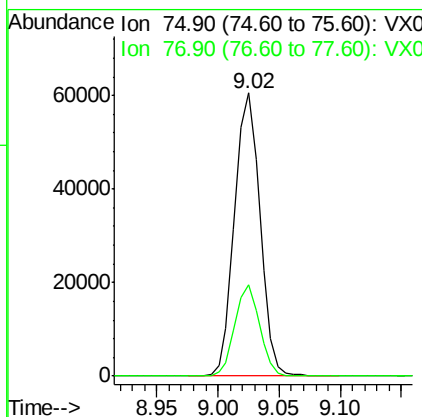
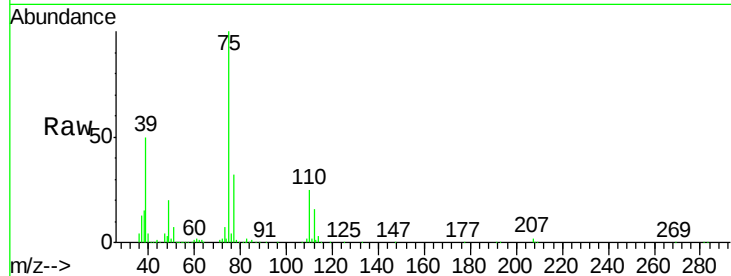
#53
t-1,3-Dichloropropene
Concen: 17.635 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.9	37.3

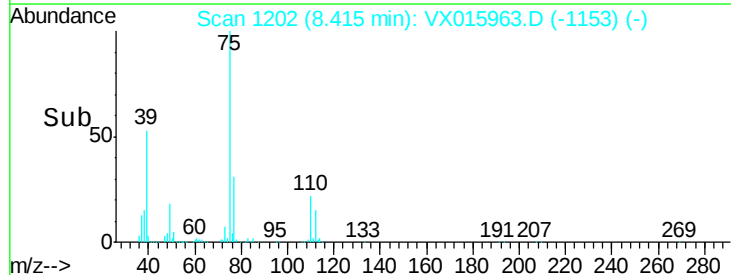
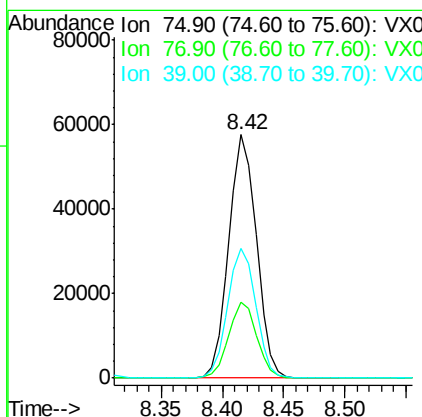
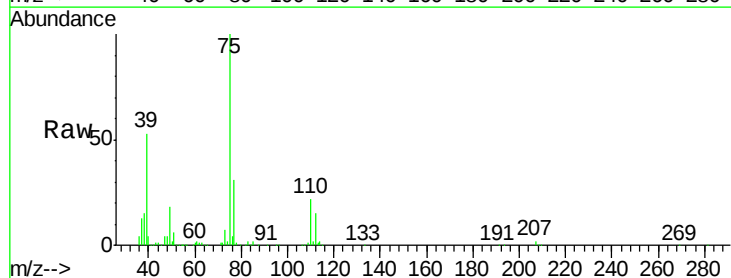
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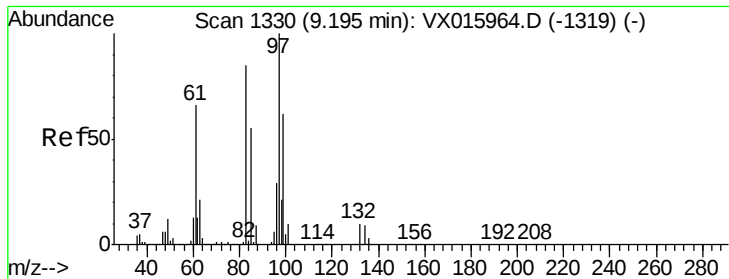
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#54
cis-1,3-Dichloropropene
Concen: 17.885 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	52.8	44.1	66.1





#55

1,1,2-Trichloroethane

Concen: 17.961 ug/l

RT: 9.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

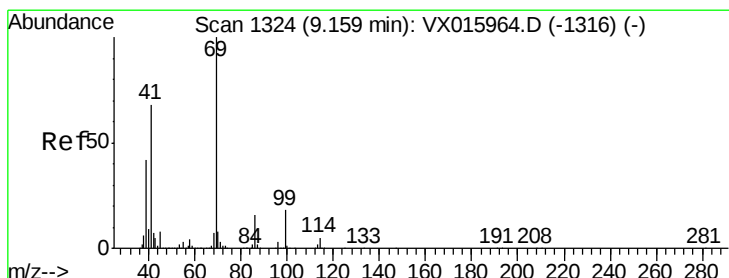
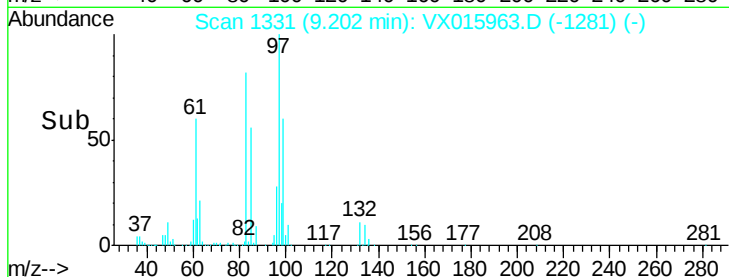
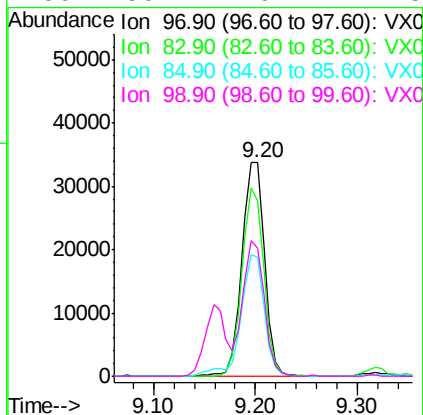
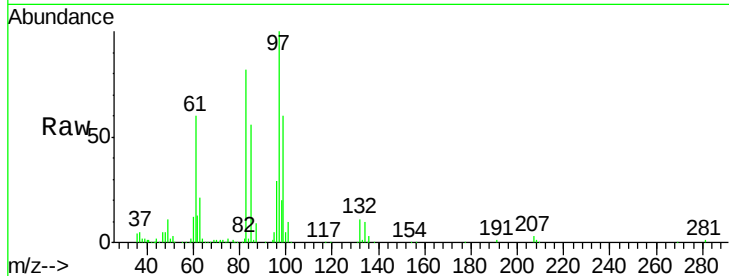
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	51895
Ion	Ratio	Lower	Upper
97	100		
83	82.3	68.2	102.2
85	55.5	43.7	65.5
99	59.7	49.7	74.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.911 ug/l

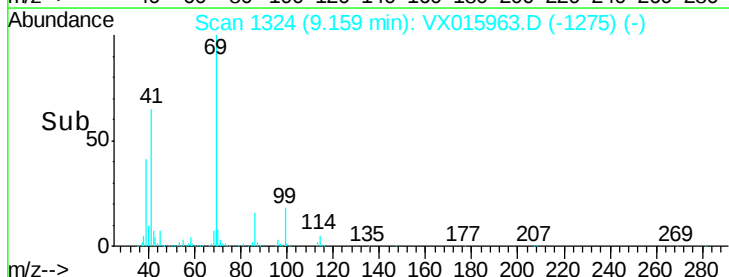
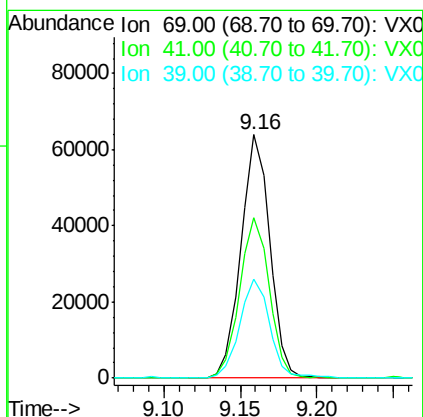
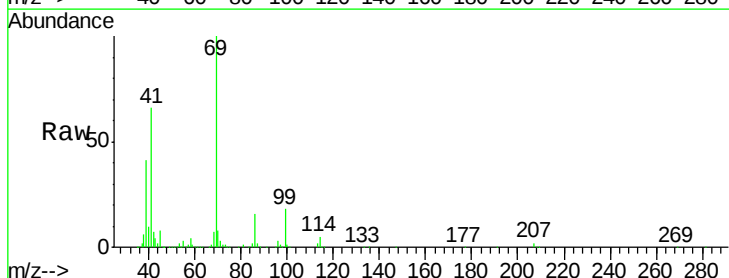
RT: 9.16 min Scan# 1324

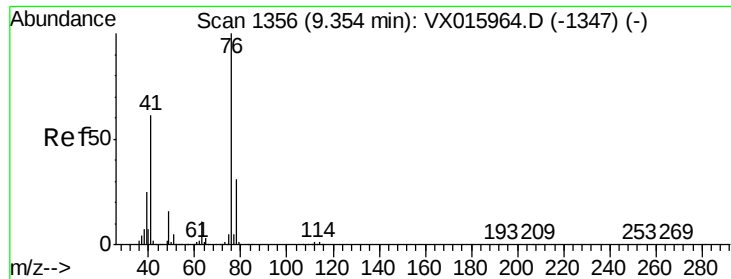
Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Tgt Ion:	69	Resp:	84150
Ion	Ratio	Lower	Upper
69	100		
41	67.5	53.5	80.3
39	41.7	33.4	50.0





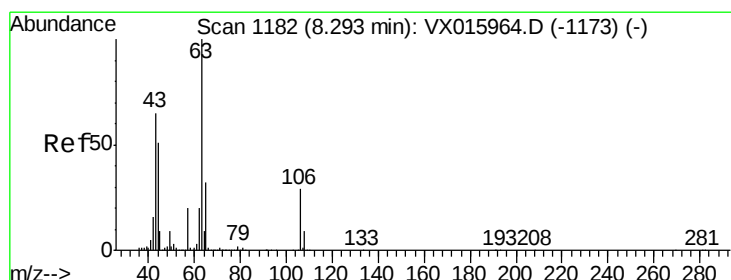
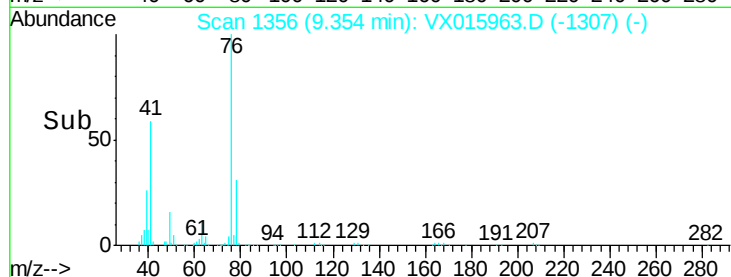
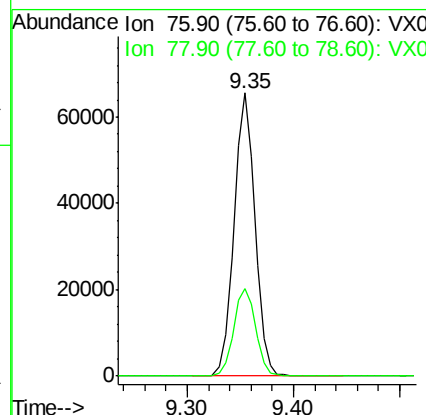
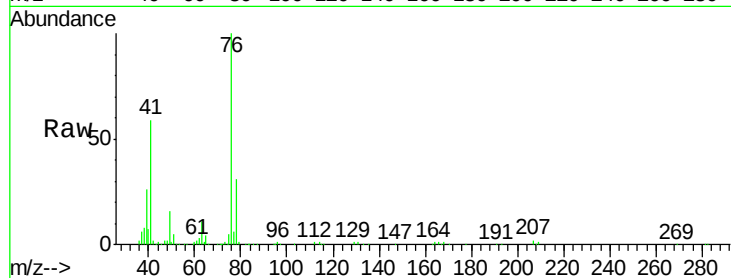
#57
 1,3-Dichloropropane
 Concen: 18.265 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX015963.D
 Acq: 28 Apr 2020 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

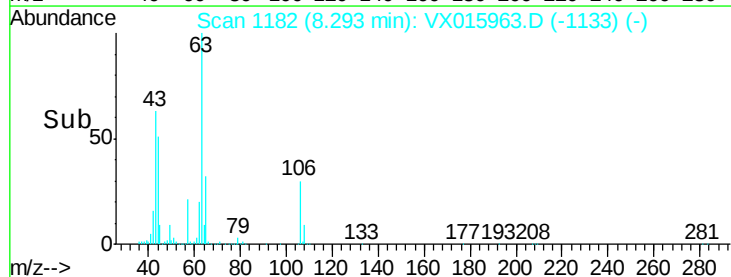
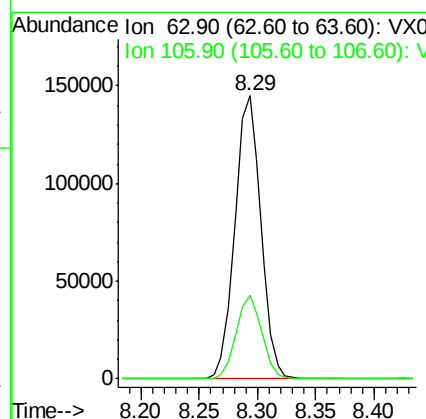
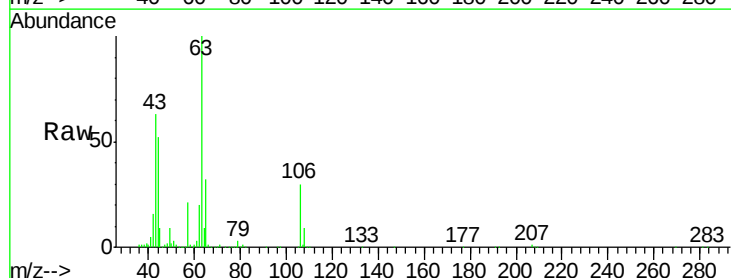
Manual Integrations
 APPROVED

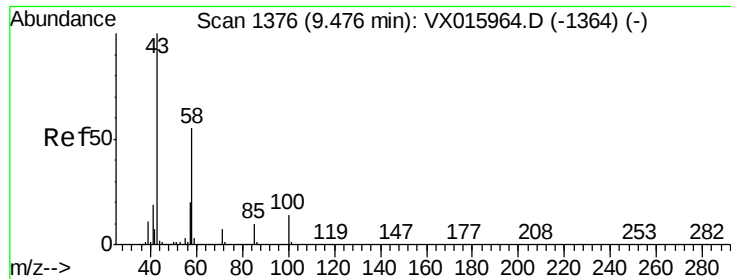
MMDadoda
 4/30/2020 2:59:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.174 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX015963.D
 Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.6	35.4





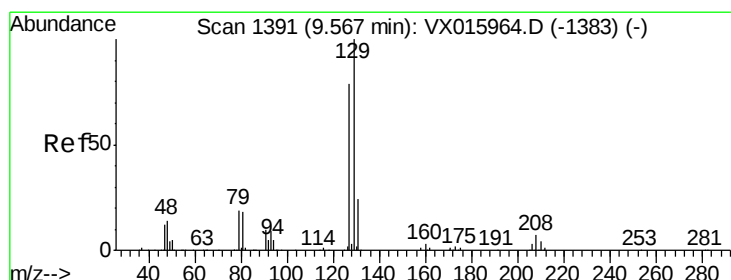
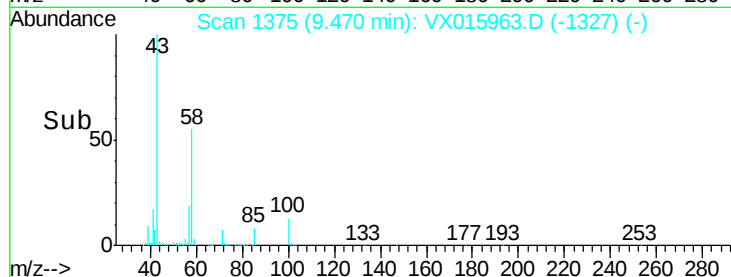
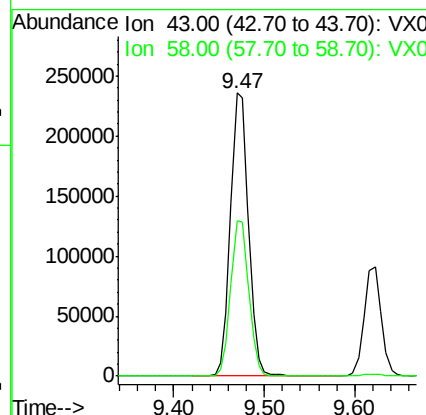
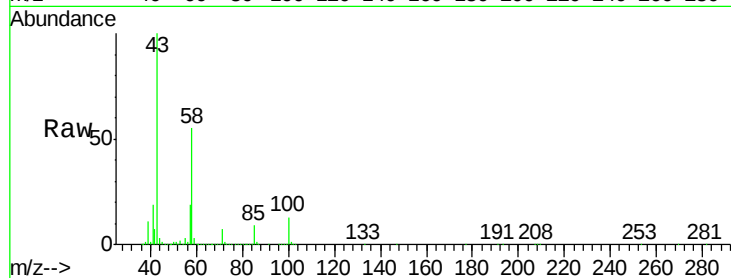
#59
2-Hexanone
Concen: 90.768 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	27.7	83.1

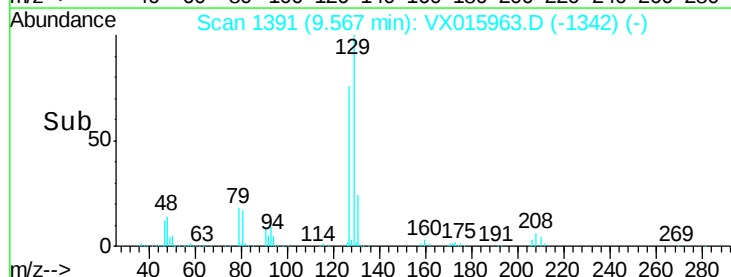
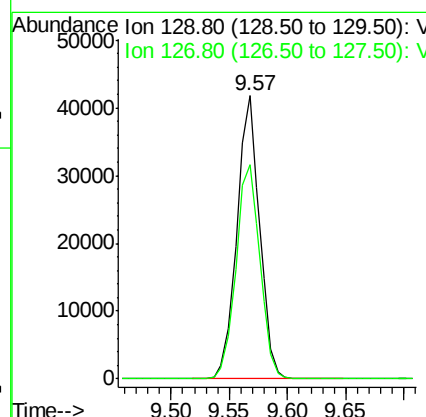
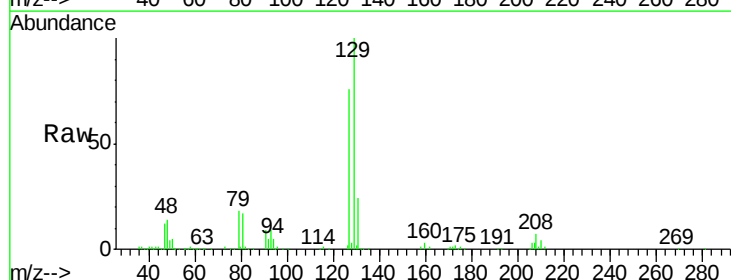
Manual Integrations
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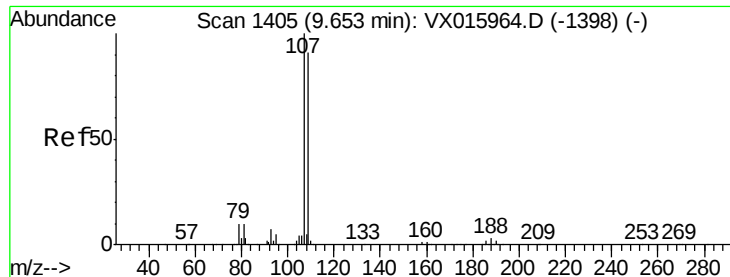
MMDadoda
4/30/2020 2:59:48 PM



#60
Dibromochloromethane
Concen: 17.498 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.1	39.4	118.1





#61

1,2-Dibromoethane

Concen: 18.044 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 56535

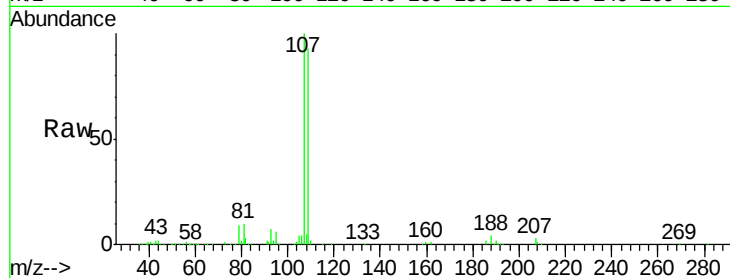
Ion Ratio Lower Upper

107 100

109 94.6 74.9 112.3

Manual Integrations
APPROVED

MMDadoda
4/30/2020 2:59:48 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

40000

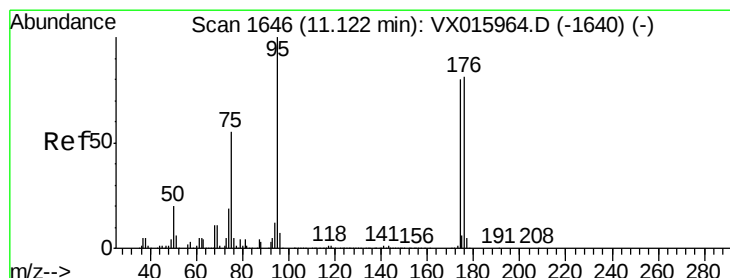
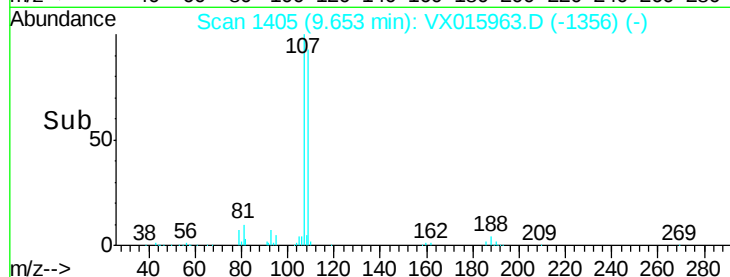
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 18.172 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

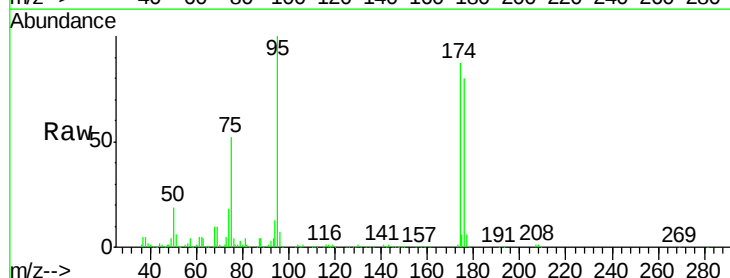
Tgt Ion: 95 Resp: 69675

Ion Ratio Lower Upper

95 100

174 84.1 0.0 165.0

176 81.0 0.0 163.2



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

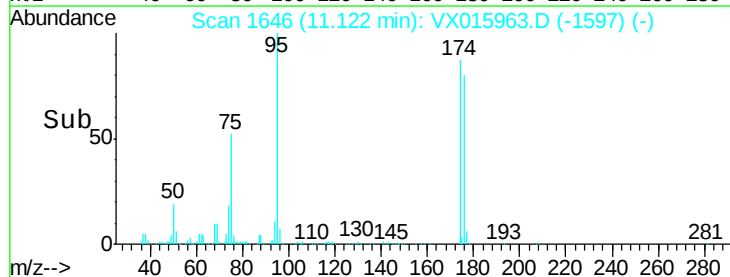
60000

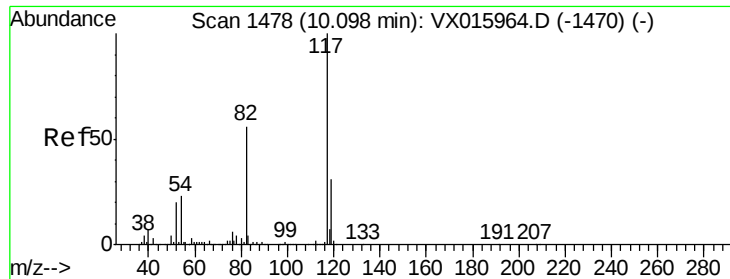
40000

20000

0

Time-->





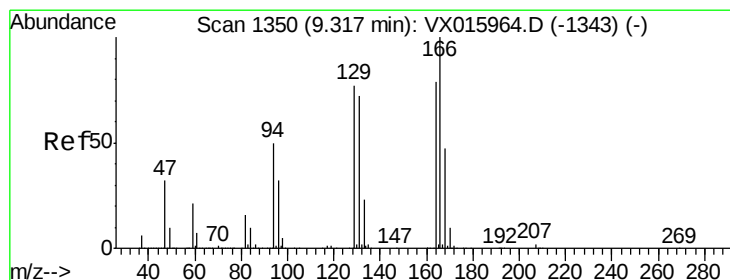
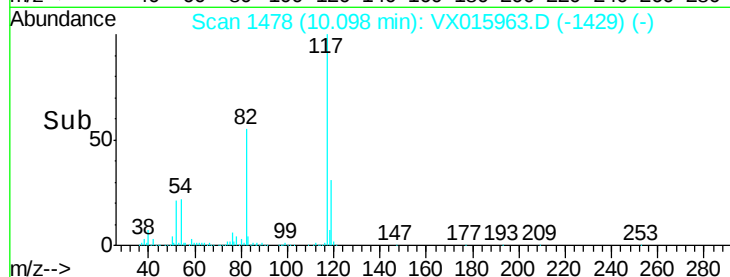
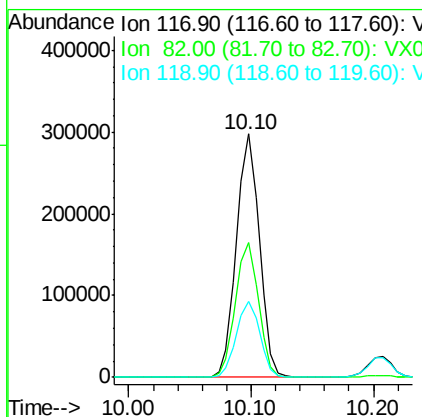
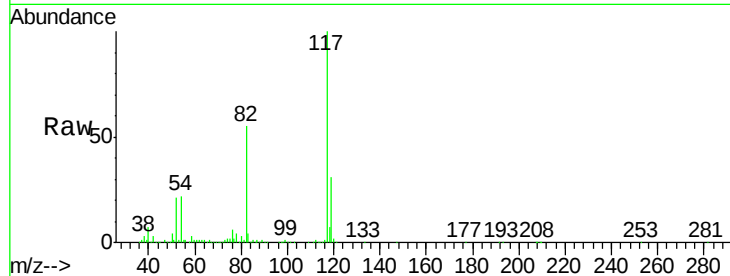
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.5	66.7
119	31.4	25.0	37.6

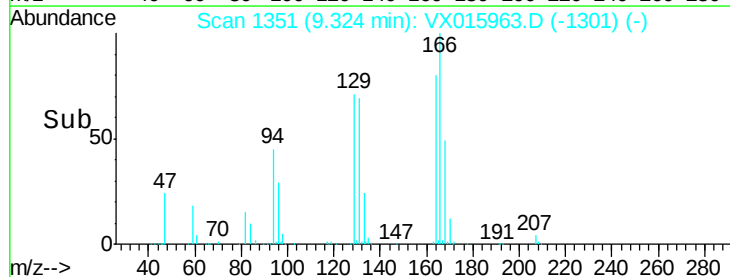
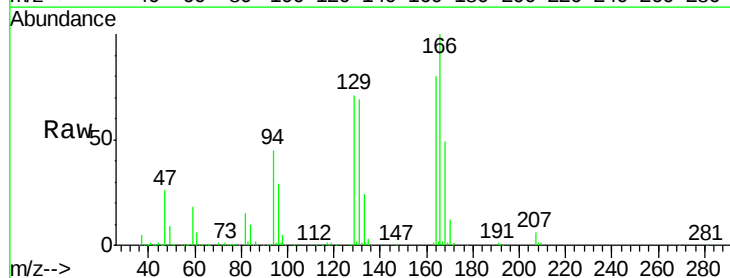
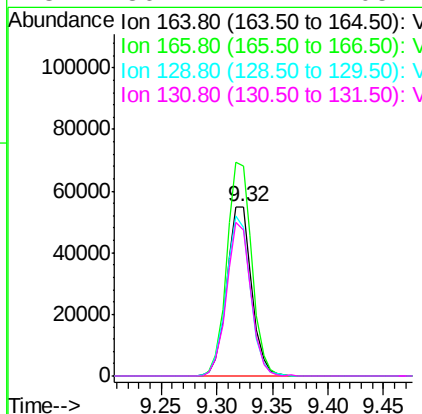
Manual Integrations
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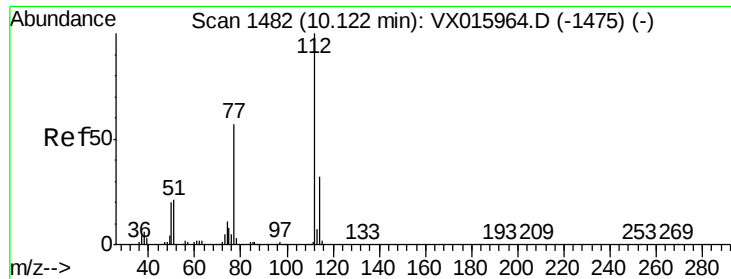
MMDadoda
4/30/2020 2:59:48 PM



#64
Tetrachloroethene
Concen: 18.427 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.0	151.4
129	87.9	77.4	116.0
131	86.1	72.2	108.2





#65

Chlorobenzene

Concen: 17.767 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 139698

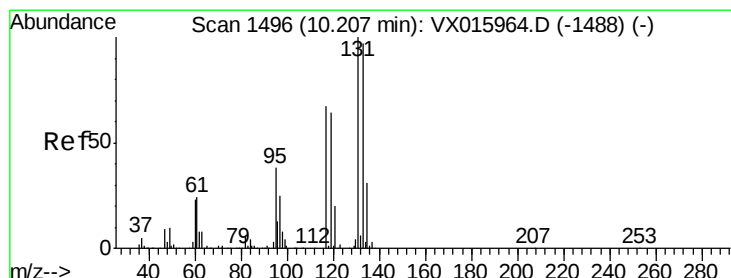
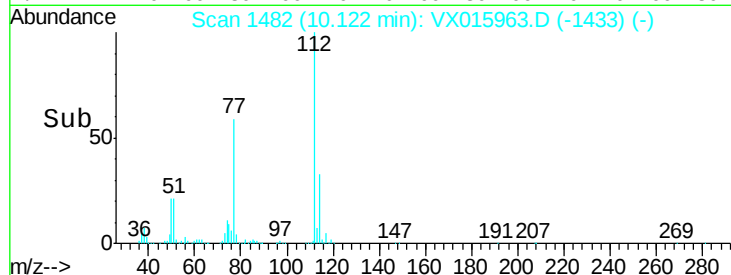
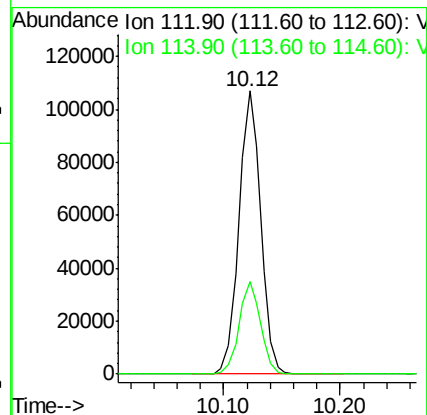
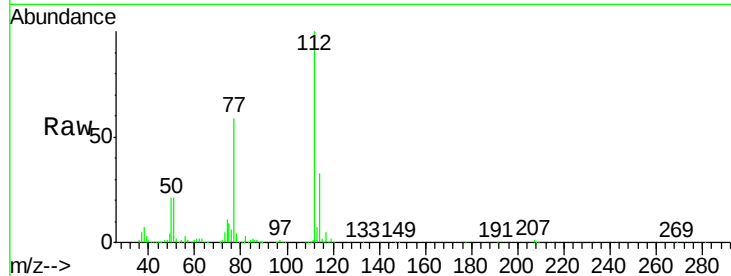
Ion Ratio Lower Upper

112 100

114 32.9 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 17.979 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

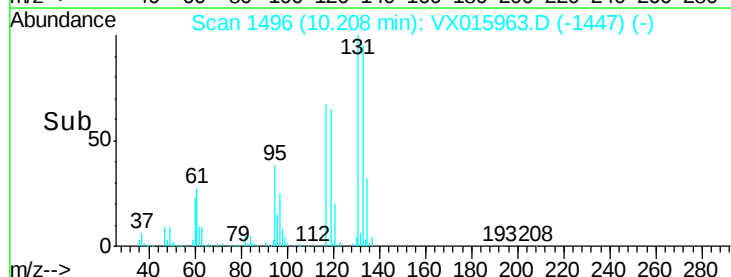
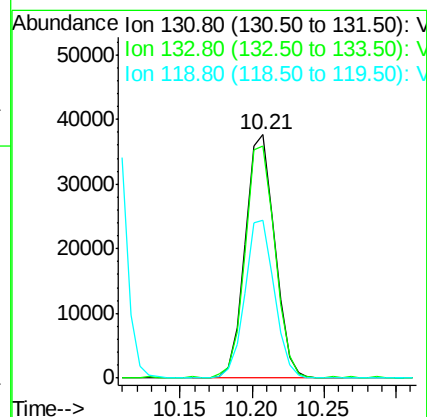
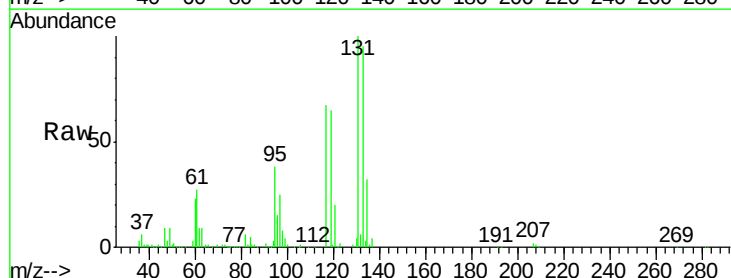
Tgt Ion:131 Resp: 53428

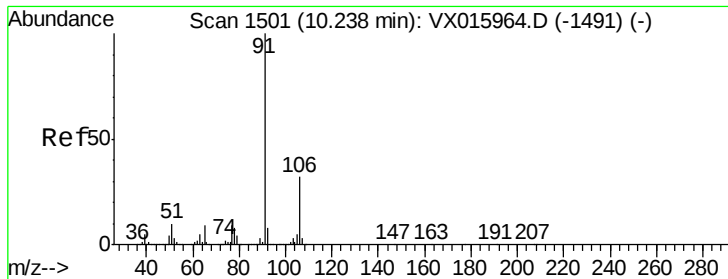
Ion Ratio Lower Upper

131 100

133 95.6 48.3 144.8

119 64.3 31.6 94.8





#67

Ethyl Benzene

Concen: 18.231 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 255271

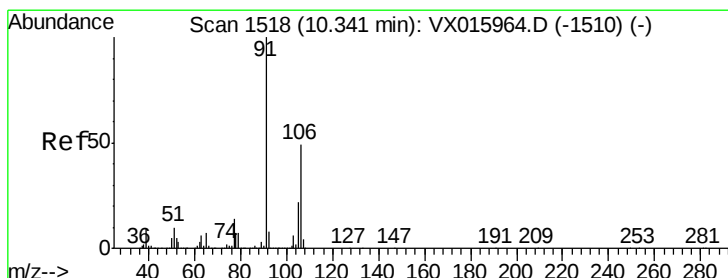
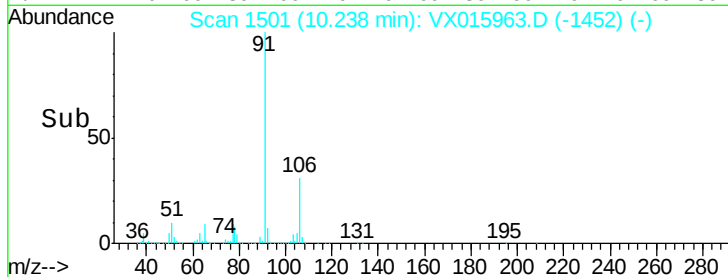
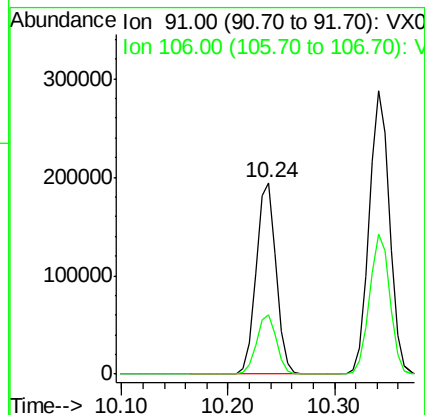
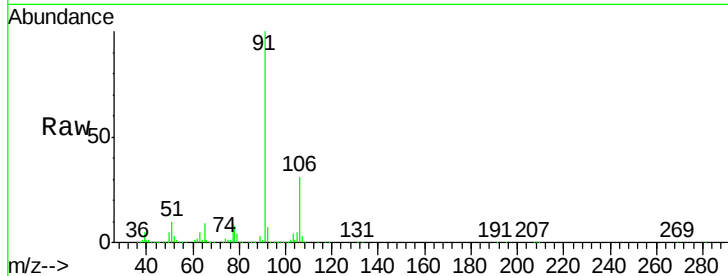
Ion Ratio Lower Upper

91 100

106 31.1 25.3 37.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 36.090 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX015963.D

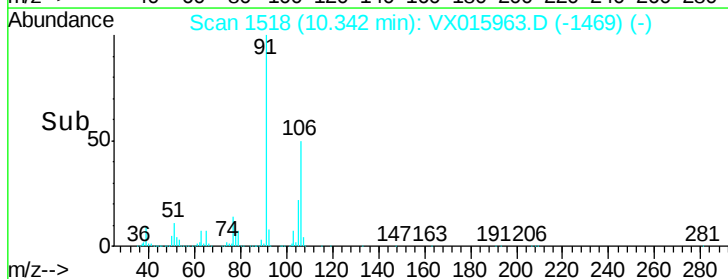
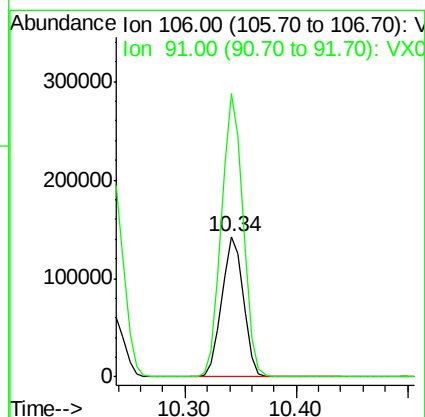
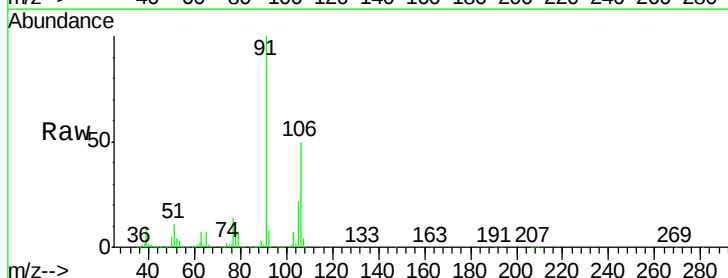
Acq: 28 Apr 2020 15:46

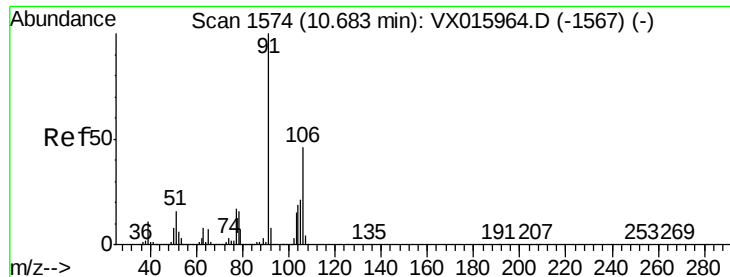
Tgt Ion: 106 Resp: 191755

Ion Ratio Lower Upper

106 100

91 201.5 161.6 242.4





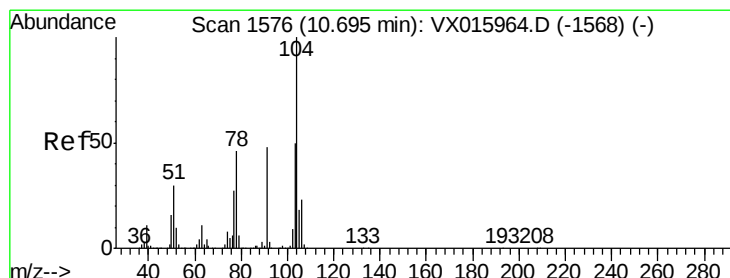
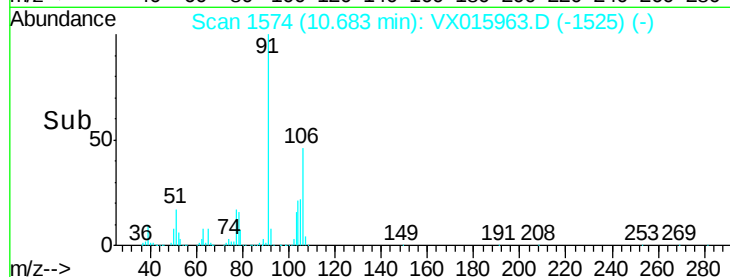
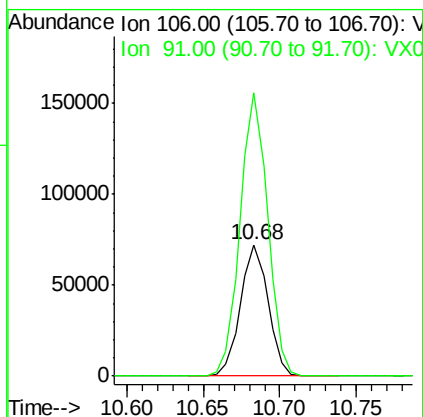
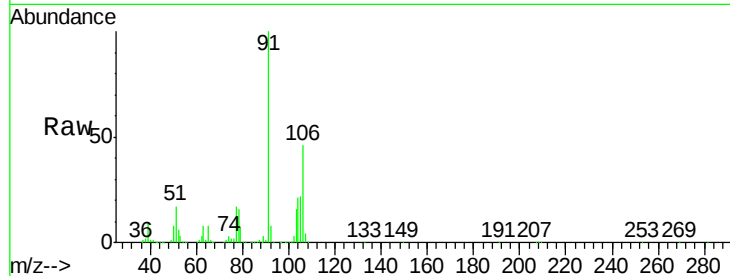
#69
o-Xylene
Concen: 17.952 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		90558		
91	216.1	106.1	318.3		

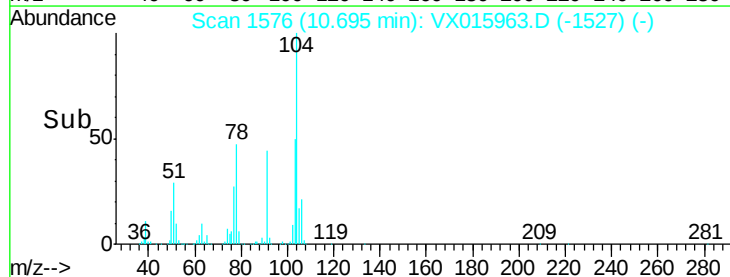
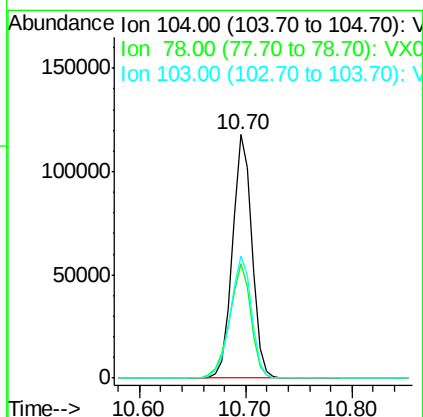
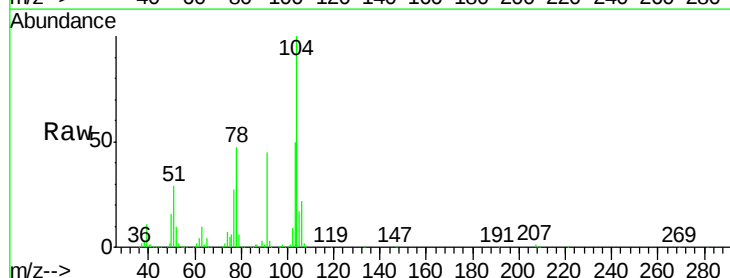
Manual Integrations
APPROVED

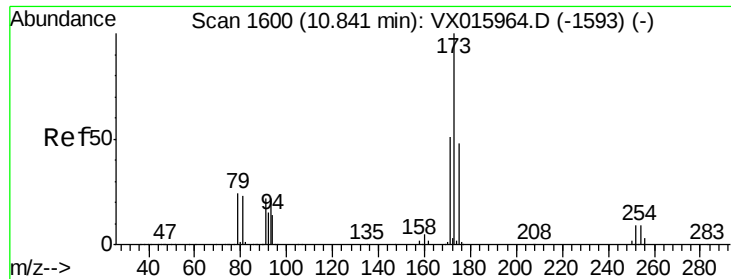
MMDadoda
4/30/2020 2:59:48 PM



#70
Styrene
Concen: 17.510 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		151562		
78	51.3	41.0	61.4		
103	54.9	43.4	65.2		





#71

Bromoform

Concen: 17.367 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

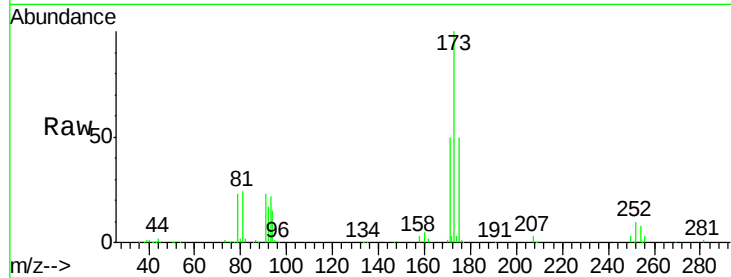
ClientSampleId :

VSTDIC020

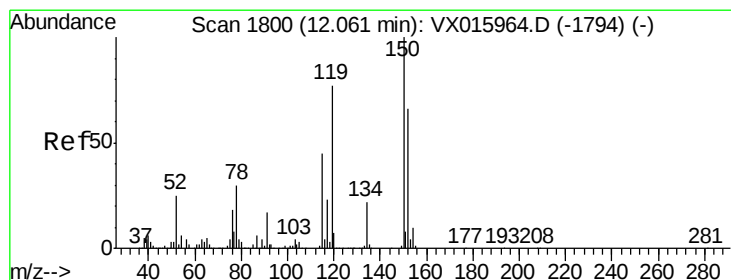
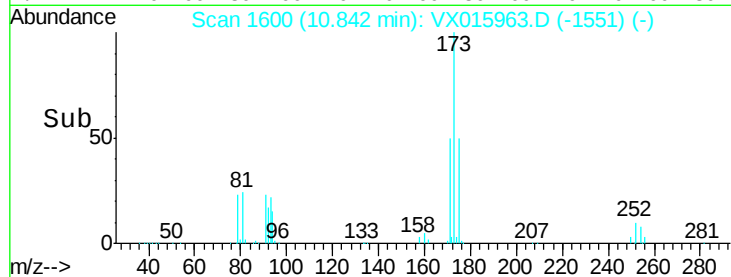
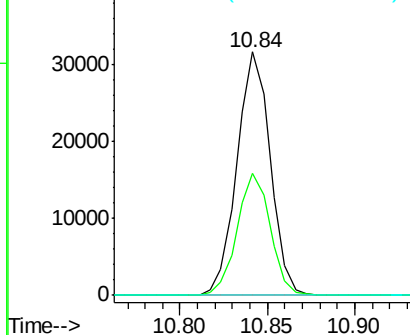
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.4
254	0.2	0.1	0.1

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

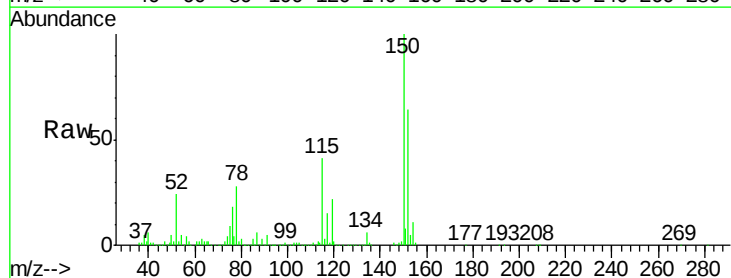
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

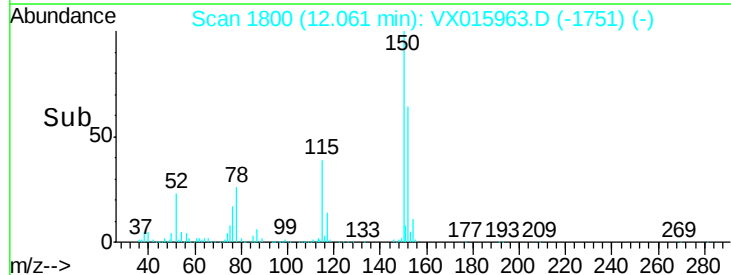
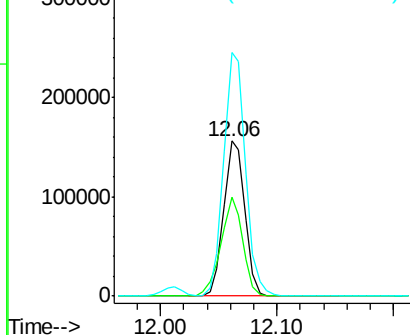
Lab File: VX015963.D

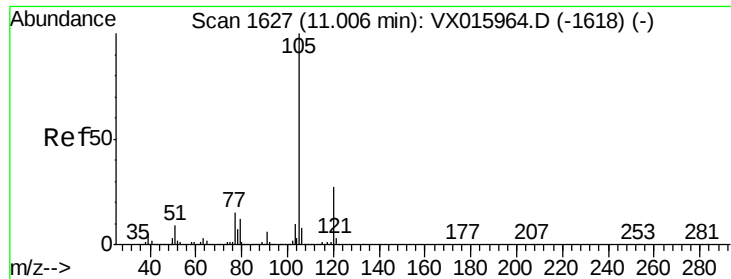
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.4	40.9	122.7
150	162.8	0.0	342.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.710 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 247301

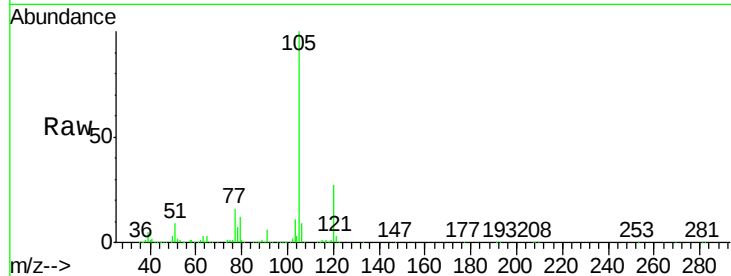
Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8

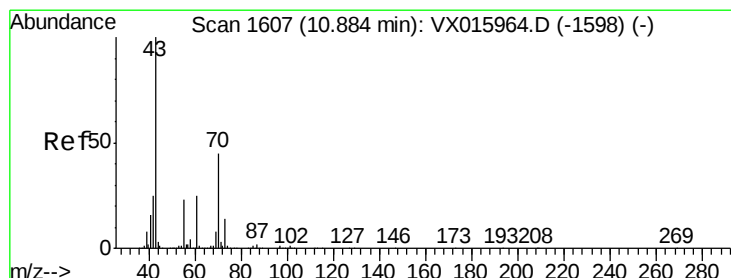
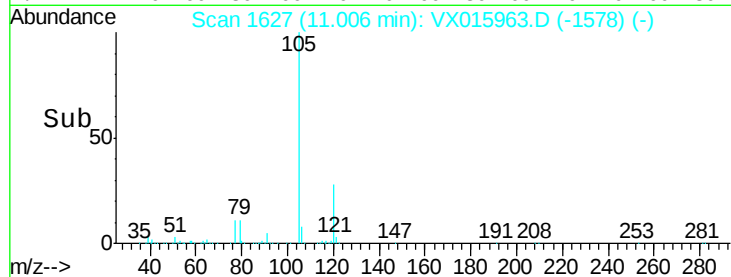
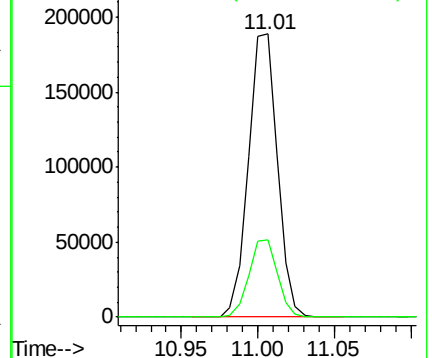
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.729 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.01 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Tgt Ion: 43 Resp: 119394

Ion Ratio Lower Upper

43 100

70 42.1 34.5 51.7

55 23.5 18.6 28.0

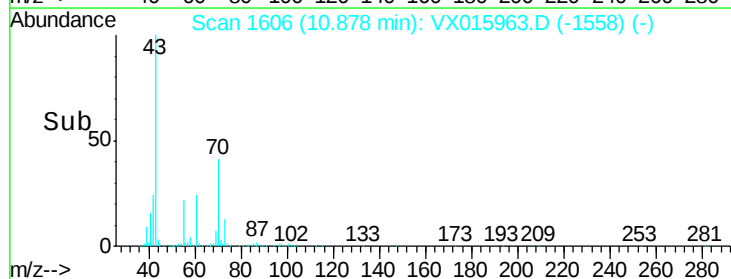
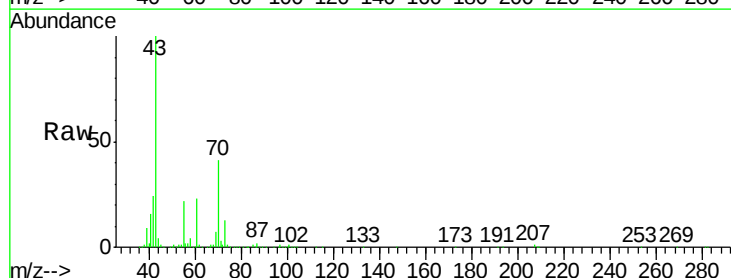
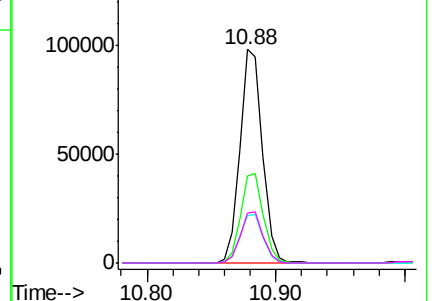
61 24.2 19.8 29.6

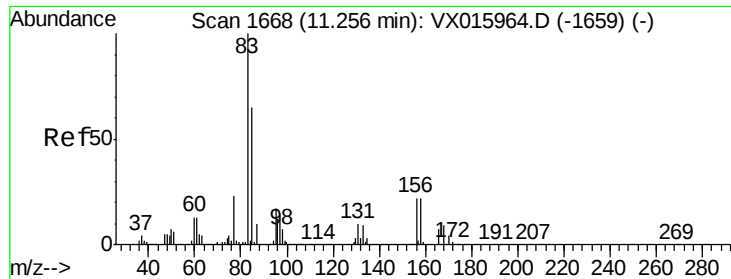
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 17.080 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 43762

Ion Ratio Lower Upper

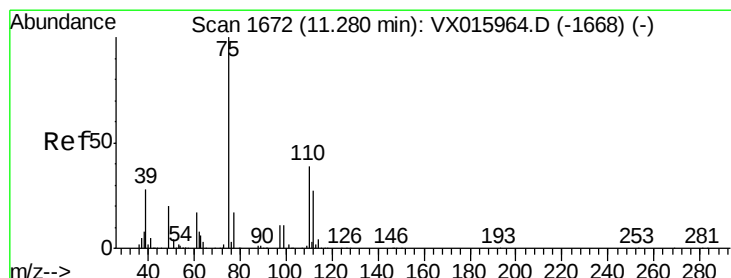
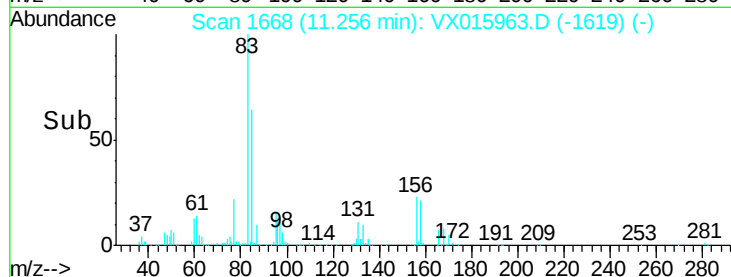
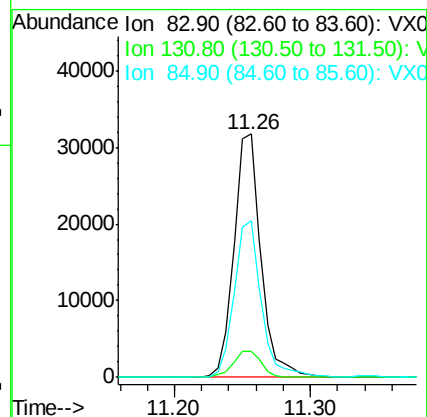
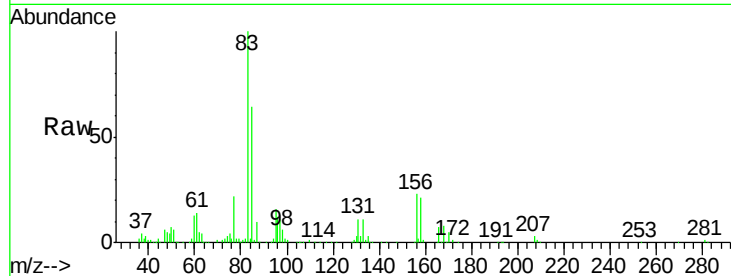
83 100

131 11.2 5.1 15.4

85 64.9 32.2 96.6

Manual Integrations
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4/30/2020 2:59:48 PM



#76

1,2,3-Trichloropropane

Concen: 15.078 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX015963.D

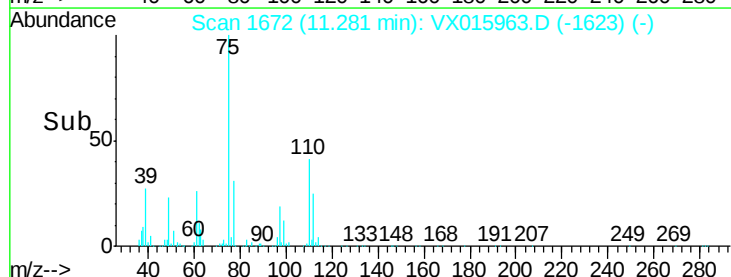
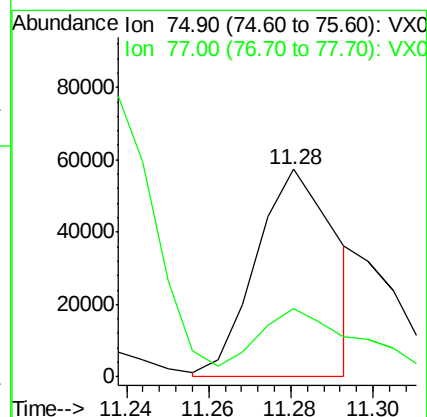
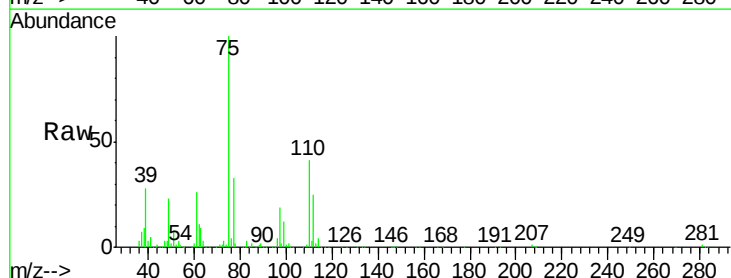
Acq: 28 Apr 2020 15:46

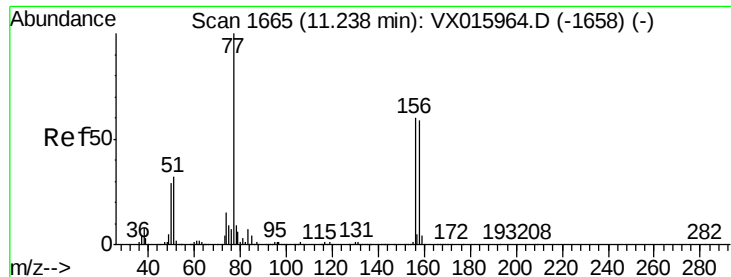
Tgt Ion: 75 Resp: 76721

Ion Ratio Lower Upper

75 100

77 42.4 21.6 65.0





#77

Bromobenzene

Concen: 18.317 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

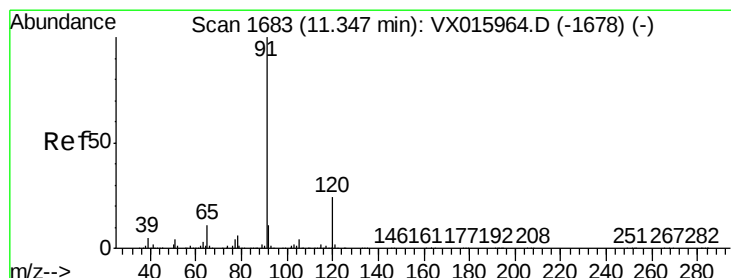
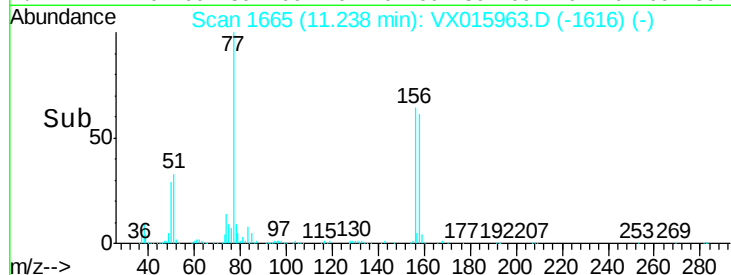
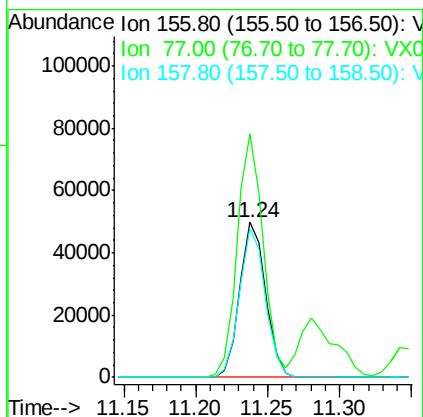
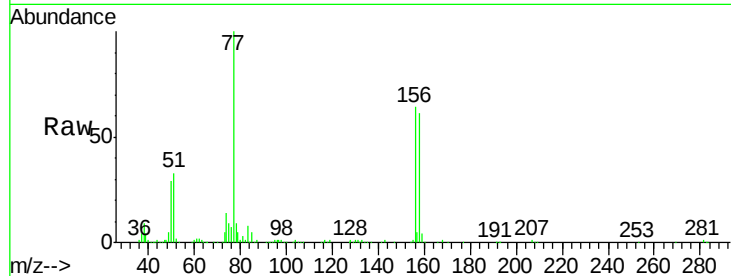
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	62320
Ion Ratio	Lower	Upper	
156	100		
77	156.8	78.3	234.8
158	95.4	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 18.430 ug/l

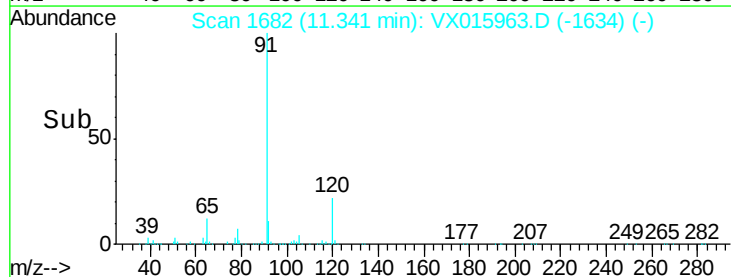
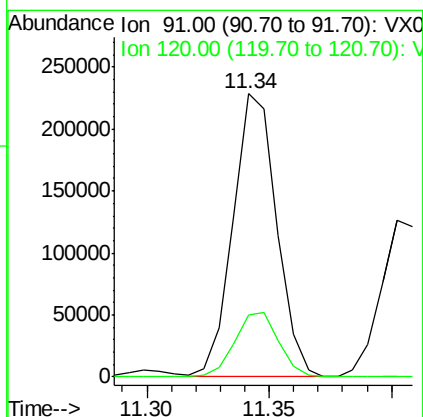
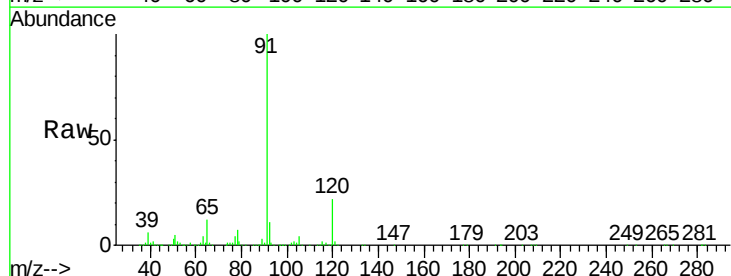
RT: 11.34 min Scan# 1682

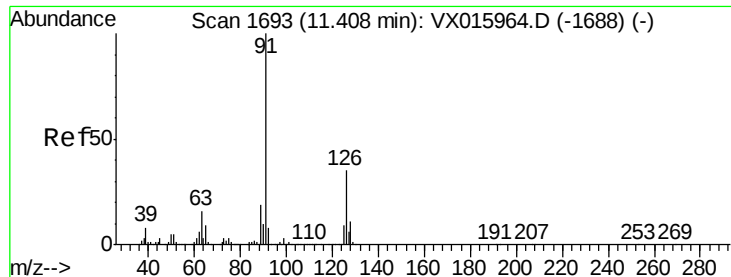
Delta R.T. -0.01 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Tgt Ion:	91	Resp:	280232
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.8	35.3





#79

2-Chlorotoluene

Concen: 18.143 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 164360

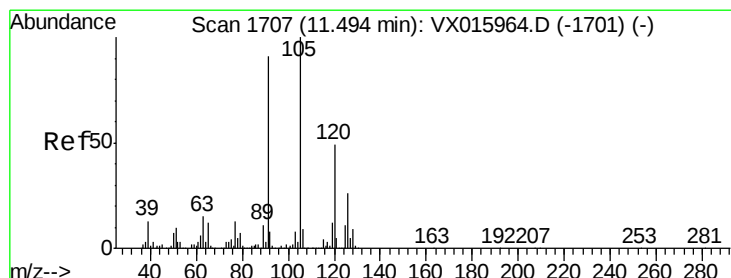
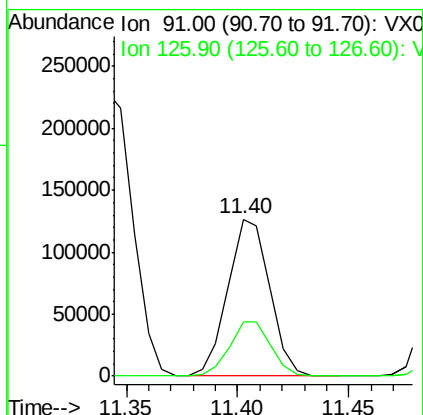
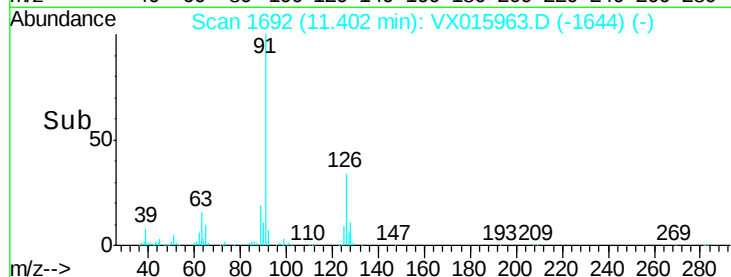
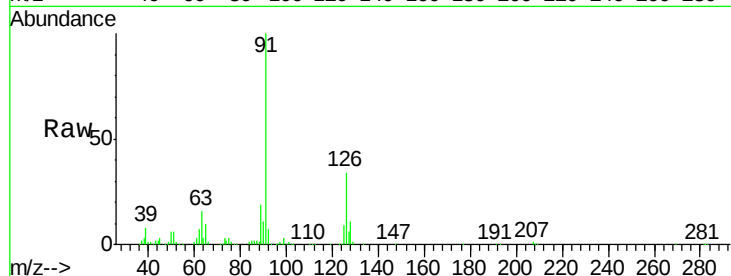
Ion Ratio Lower Upper

91 100

126 34.8 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 18.334 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015963.D

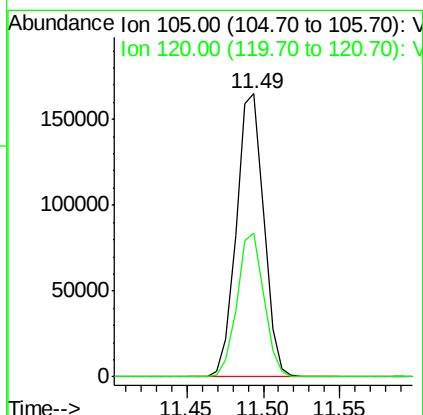
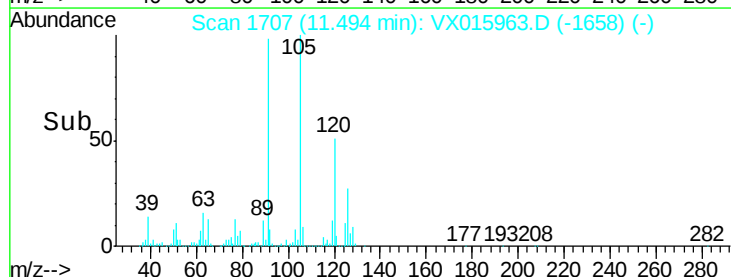
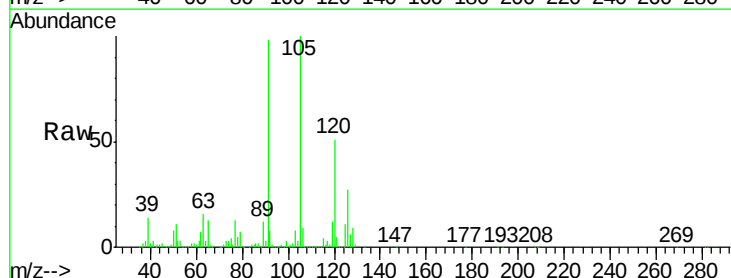
Acq: 28 Apr 2020 15:46

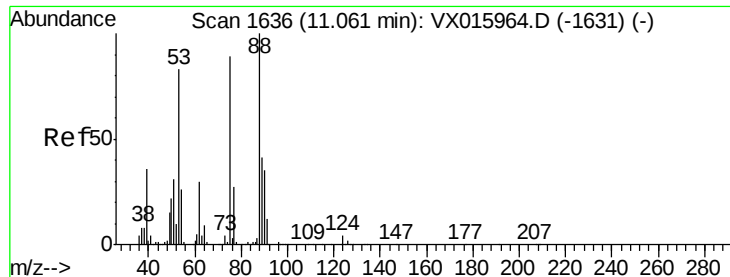
Tgt Ion: 105 Resp: 204129

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.031 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

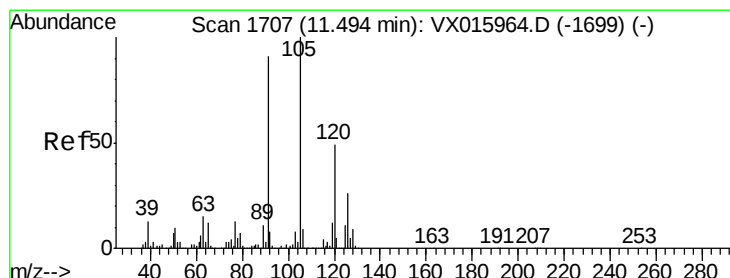
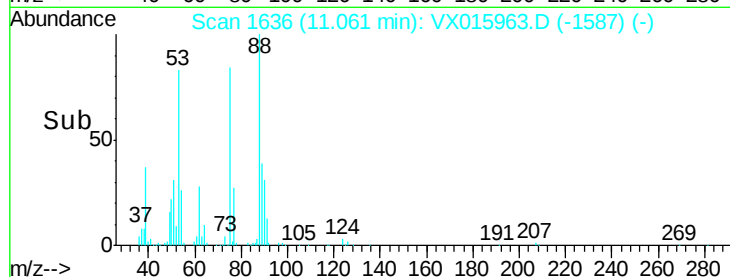
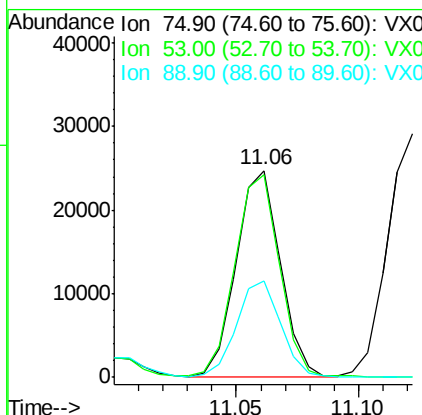
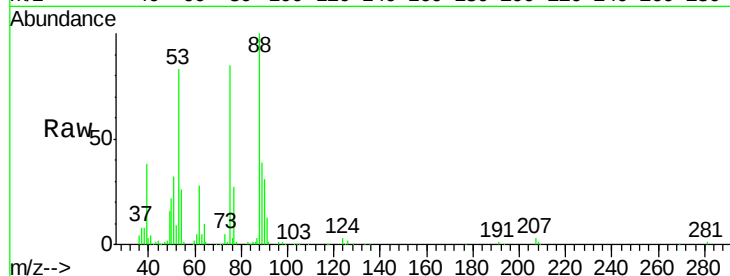
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	31107
Ion	Ratio	Lower	Upper
75	100		
53	98.3	78.3	117.5
89	47.0	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.175 ug/l

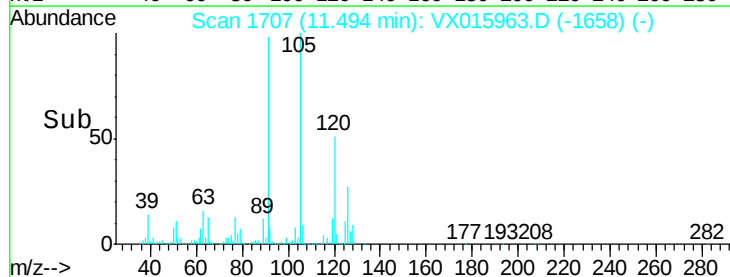
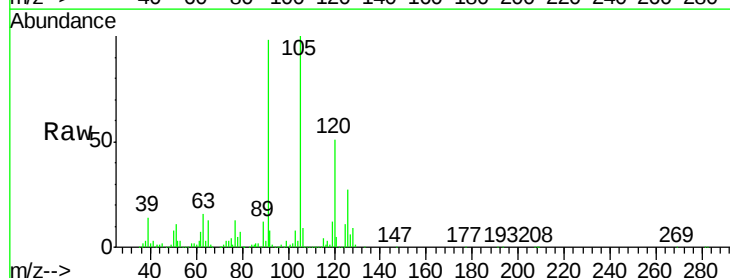
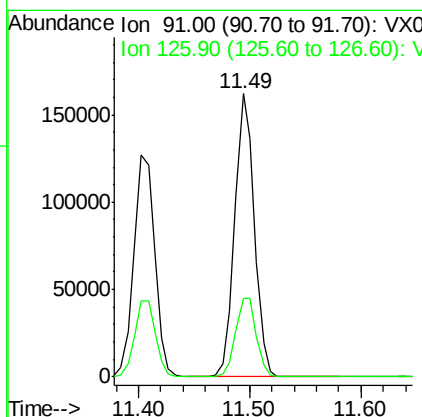
RT: 11.49 min Scan# 1707

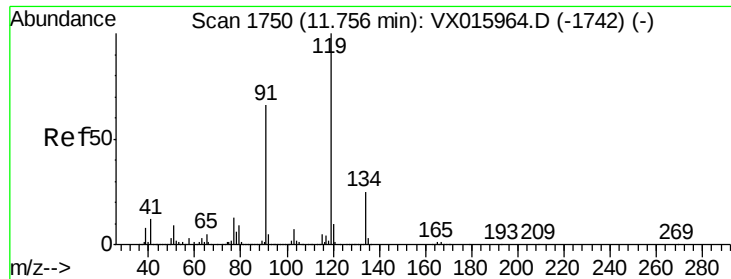
Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Tgt Ion:	91	Resp:	196932
Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.8	44.3





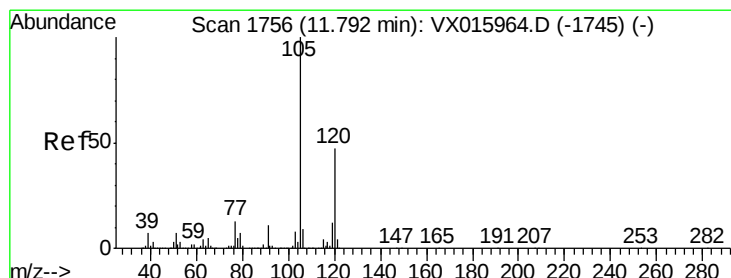
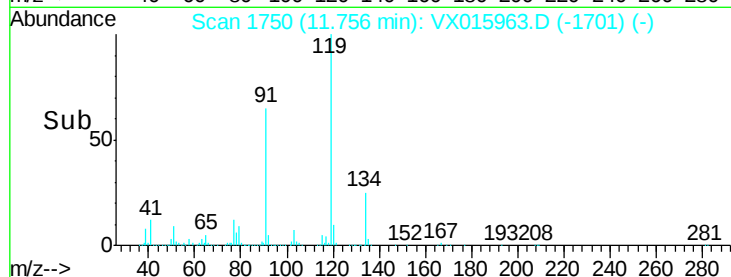
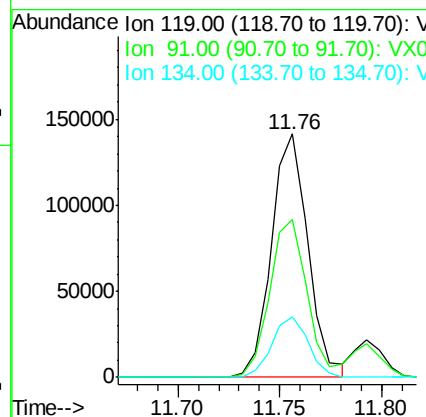
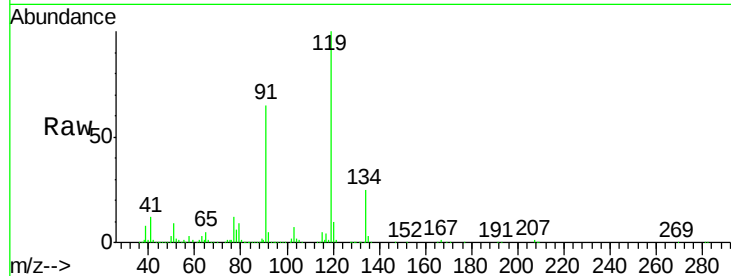
#83
tert-Butylbenzene
Concen: 18.436 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	176989		
91	65.6	33.5	100.4	
134	24.8	12.4	37.2	

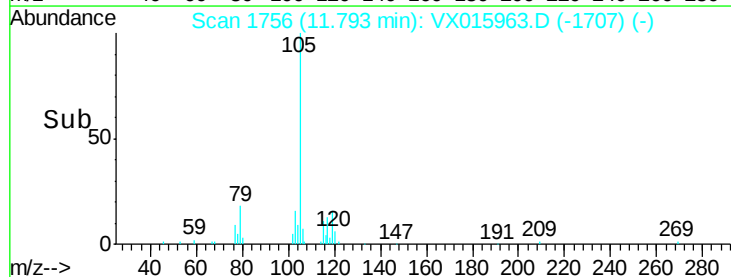
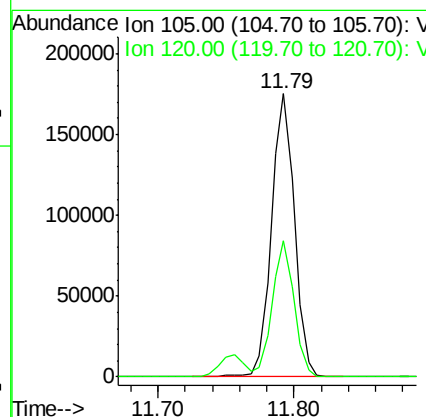
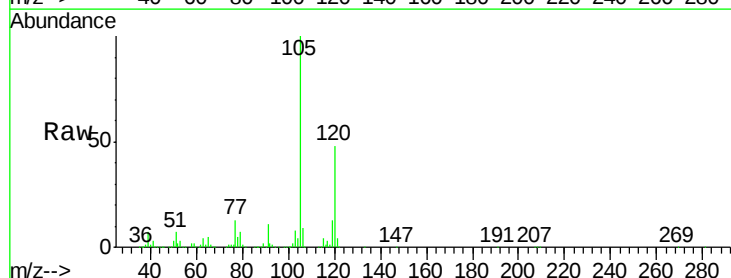
Manual Integrations
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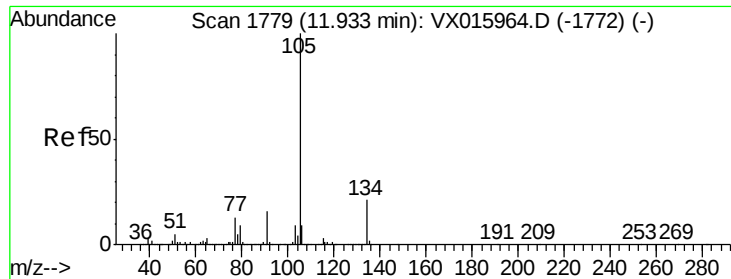
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#84
1,2,4-Trimethylbenzene
Concen: 18.540 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207754		
120	45.7	22.9	68.8	





#85

sec-Butylbenzene

Concen: 18.177 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 235112

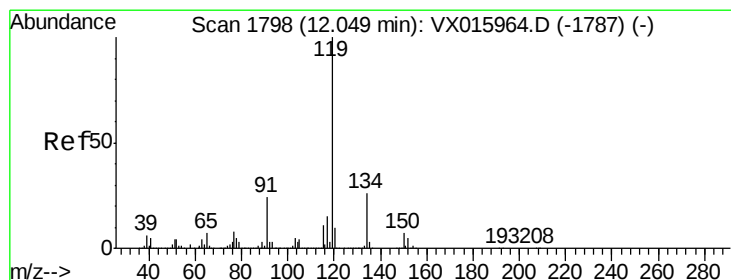
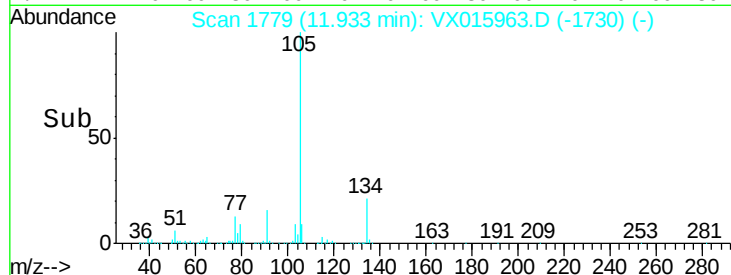
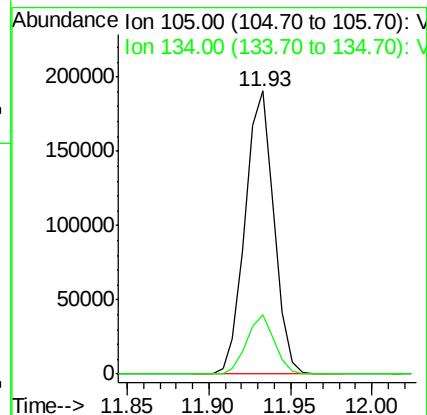
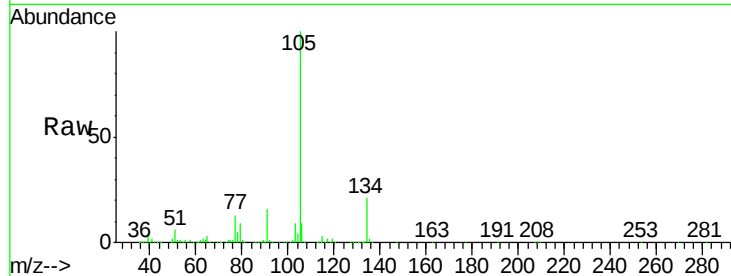
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 18.237 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015963.D

Acq: 28 Apr 2020 15:46

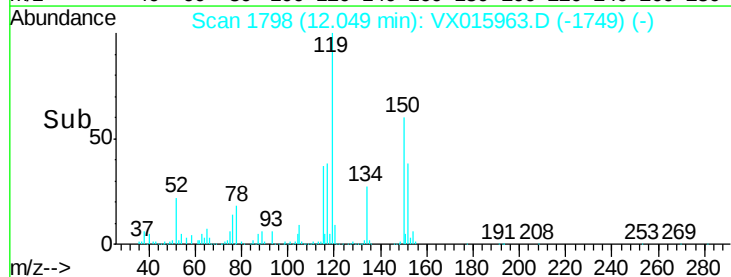
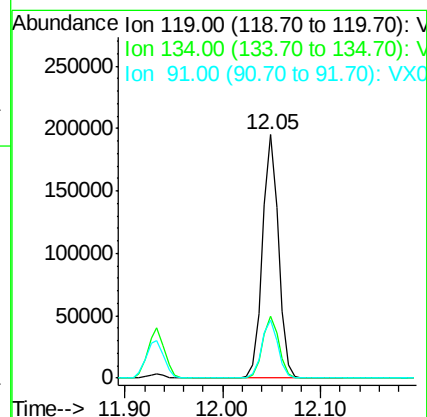
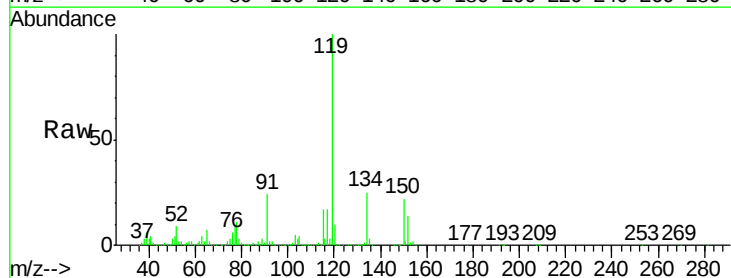
Tgt Ion:119 Resp: 220952

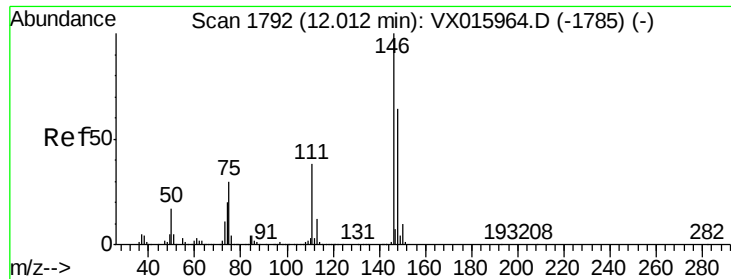
Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 24.0 11.9 35.9





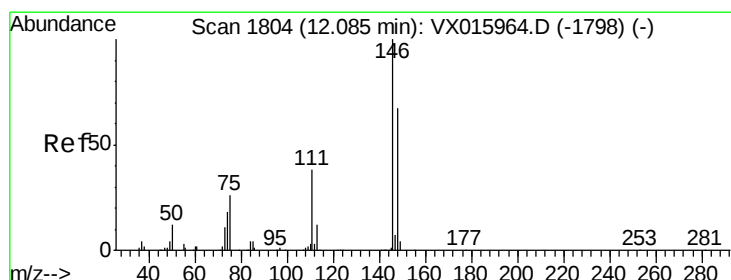
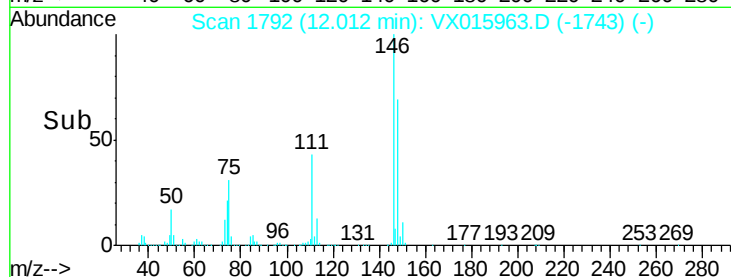
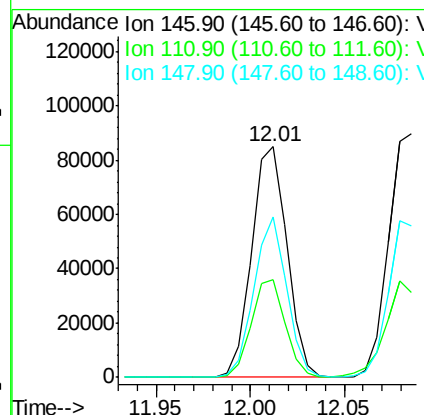
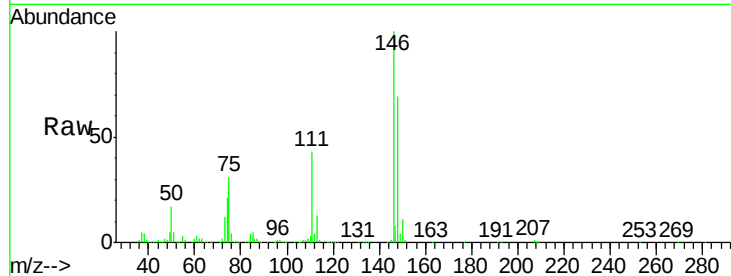
#87
 1,3-Dichlorobenzene
 Concen: 17.795 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015963.D
 Acq: 28 Apr 2020 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.6	58.8
148	64.8	32.0	96.0

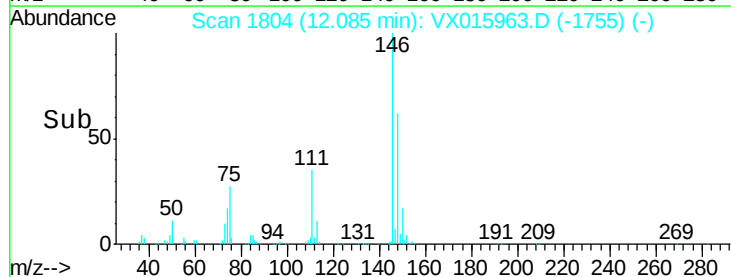
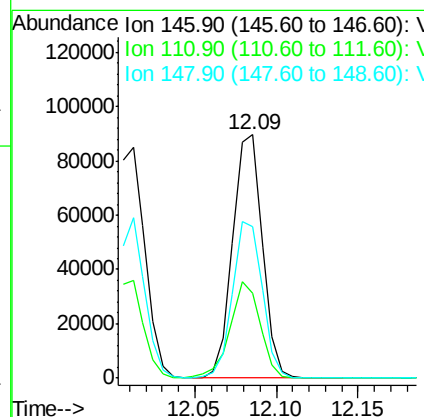
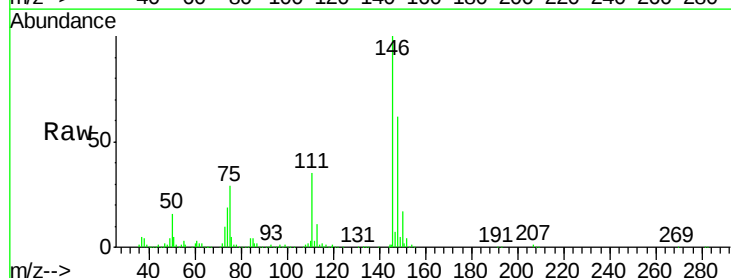
Manual Integrations
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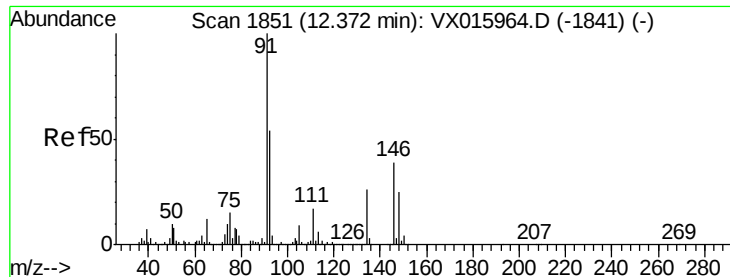
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#88
 1,4-Dichlorobenzene
 Concen: 18.100 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015963.D
 Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	64.4	32.8	98.4





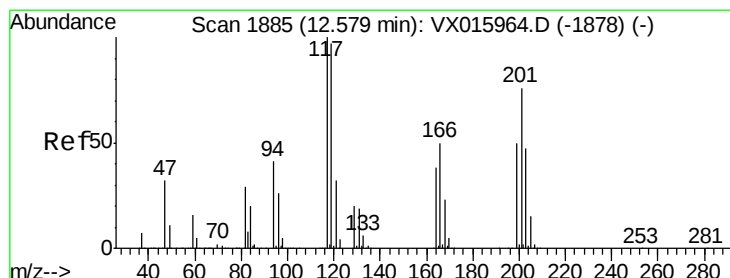
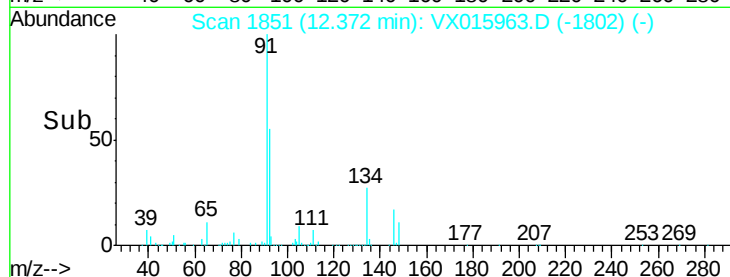
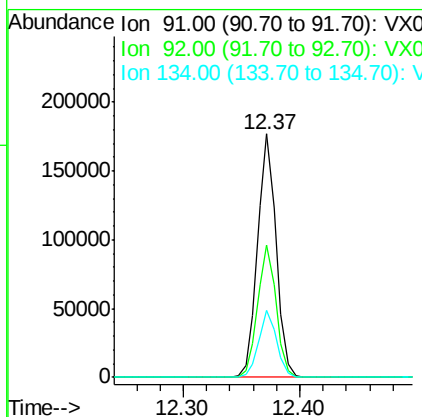
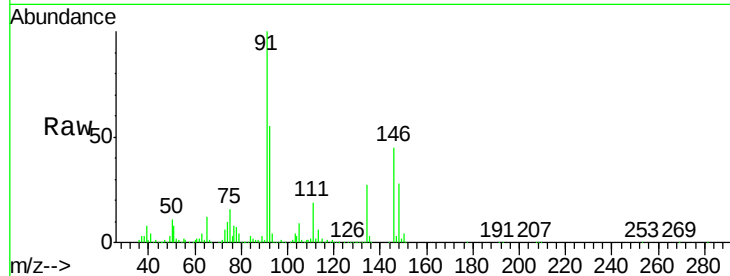
#89
n-Butylbenzene
Concen: 17.969 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.3
134	26.7	13.3	39.8

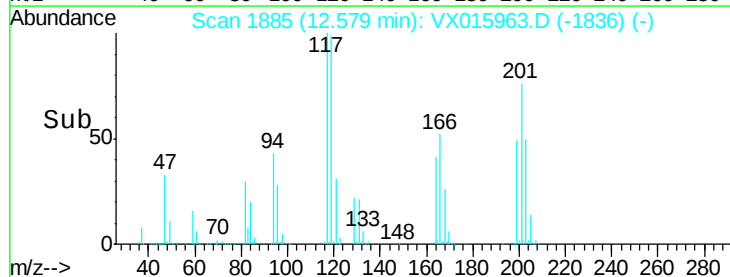
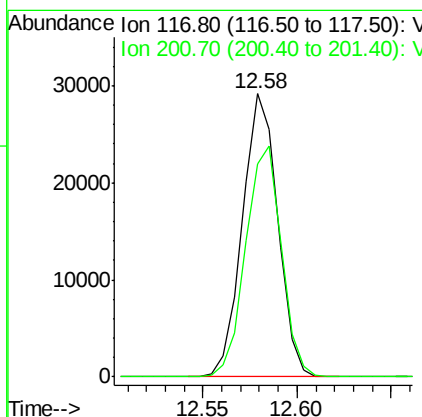
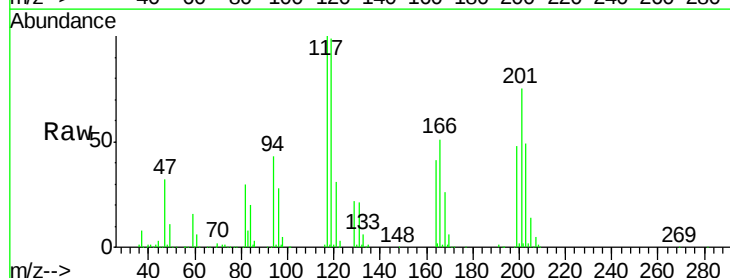
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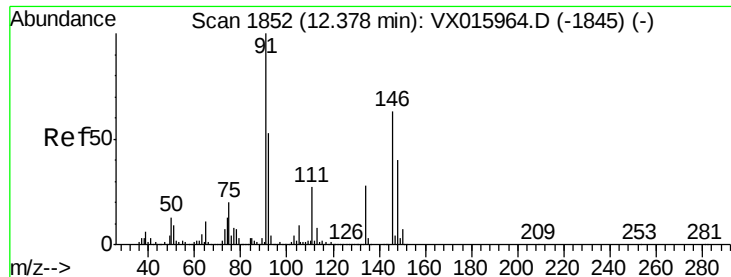
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#90
Hexachloroethane
Concen: 17.701 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	40.3	120.8





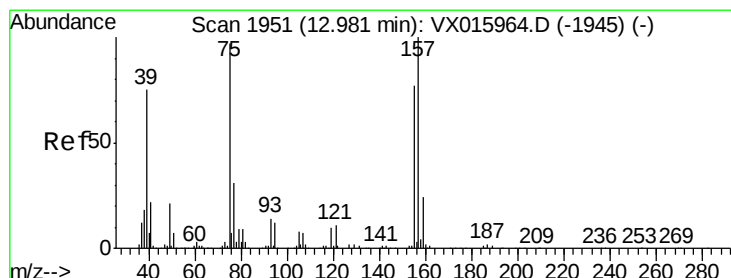
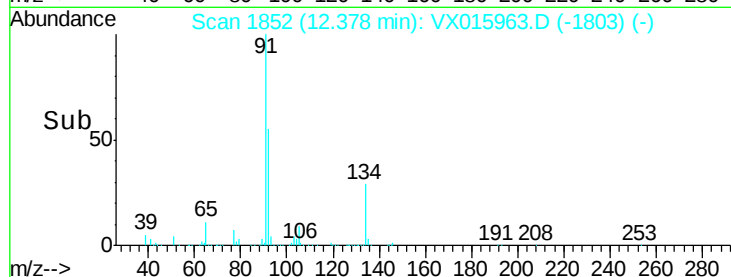
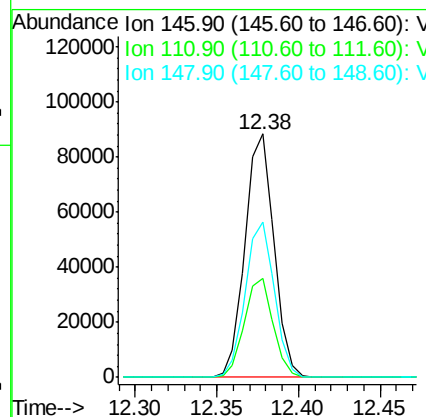
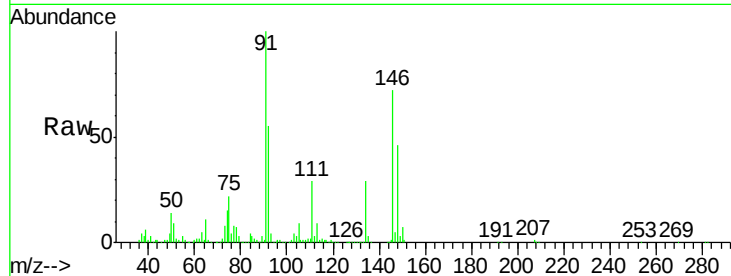
#91
 1,2-Dichlorobenzene
 Concen: 18.514 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX015963.D
 Acq: 28 Apr 2020 15:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.4	21.1	63.3	
148	64.1	32.3	96.9	

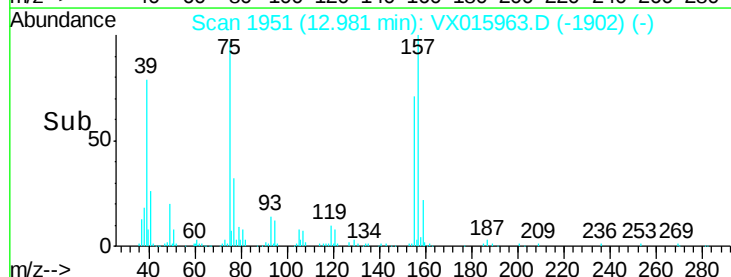
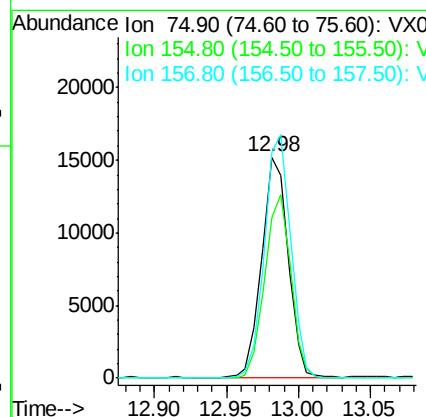
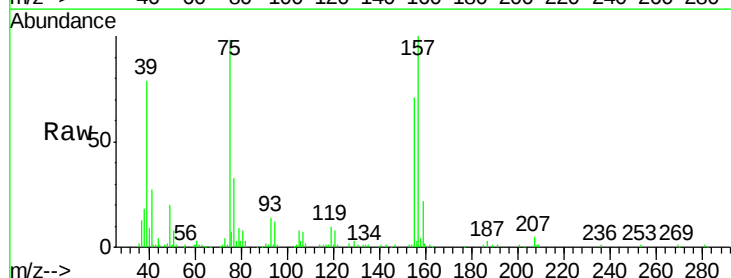
Manual Integrations
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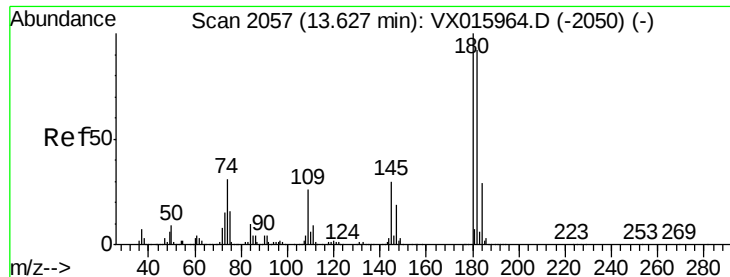
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 4/30/2020 2:59:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.785 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX015963.D
 Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	80.7	42.5	127.6	
157	108.6	56.0	168.2	





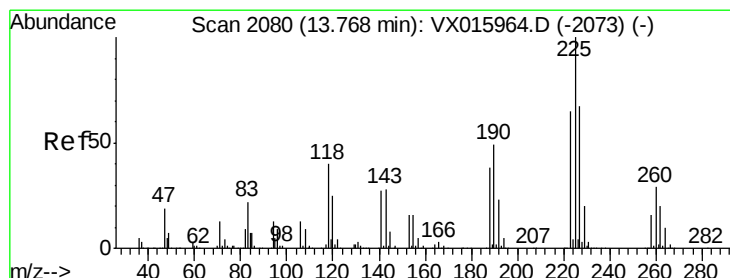
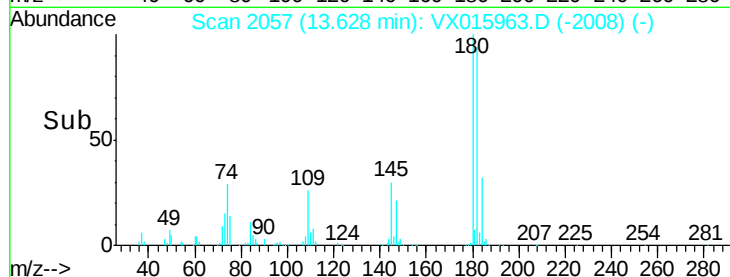
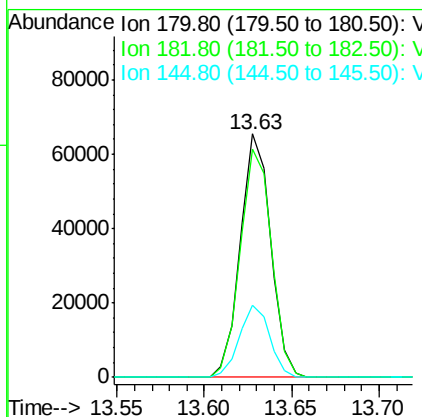
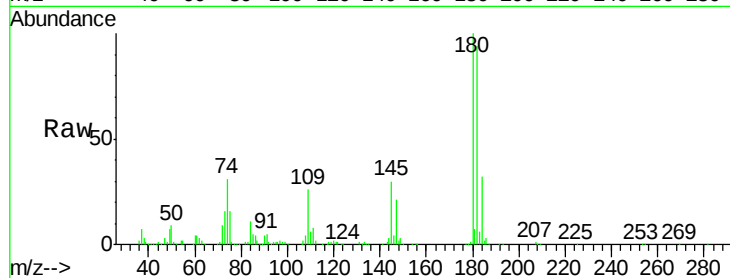
#93
1,2,4-Trichlorobenzene
Concen: 17.718 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	78900		
182	96.5	46.9	140.6	
145	29.9	14.7	44.1	

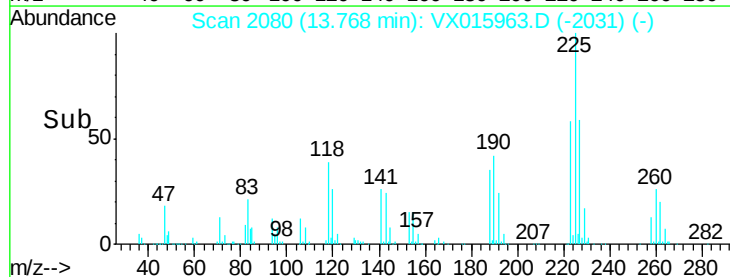
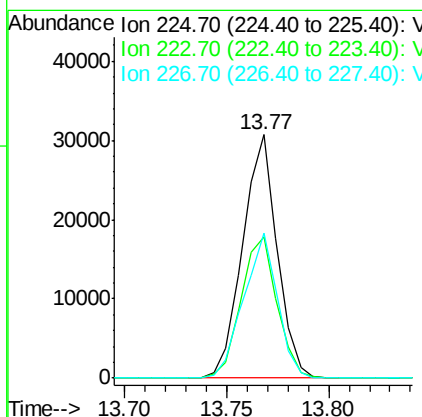
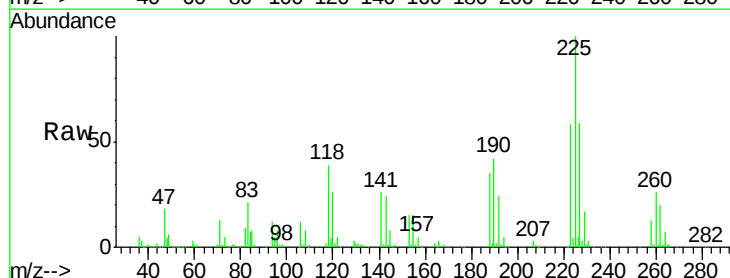
Manual Integrations
APPROVED

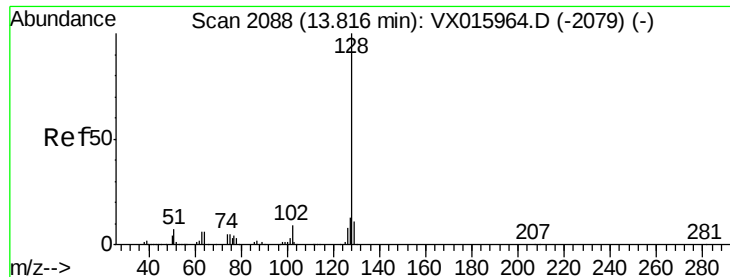
MMDadoda
4/30/2020 2:59:48 PM



#94
Hexachlorobutadiene
Concen: 18.121 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36054		
223	60.4	32.0	96.0	
227	58.4	33.0	99.0	





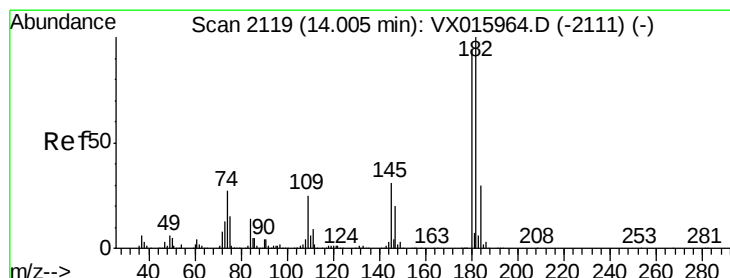
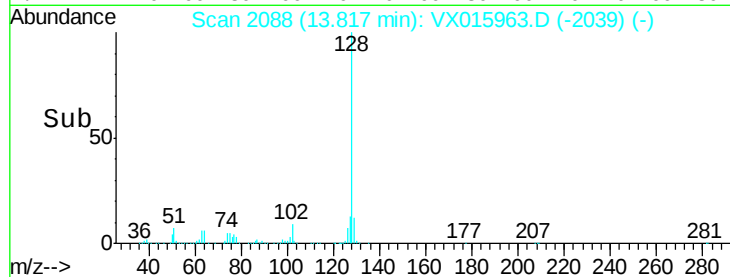
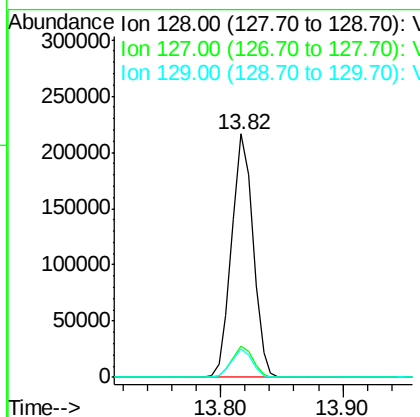
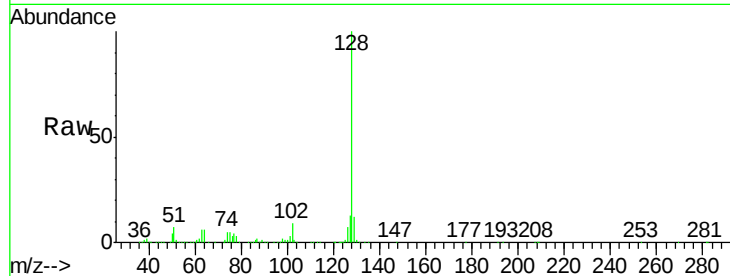
#95
Naphthalene
Concen: 18.584 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/30/2020 2:59:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.265 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX015963.D
Acq: 28 Apr 2020 15:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.7	146.1
145	31.8	16.1	48.3

