

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100719\
 Data File : VX012829.D
 Acq On : 07 Oct 2019 11:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 1:12:47 PM

Quant Time: Oct 08 11:30:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	280678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	106264	43.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.82%	
35) Dibromofluoromethane	5.48	113	83664	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	8.71	98	318709	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.14	95	126934	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	82251	43.498	ug/l	96
3) Chloromethane	1.32	50	90991	41.906	ug/l	99
4) Vinyl Chloride	1.40	62	97344	45.104	ug/l	98
5) Bromomethane	1.62	94	37677	44.402	ug/l	98
6) Chloroethane	1.70	64	61320	42.146	ug/l	97
7) Trichlorofluoromethane	1.91	101	147442	48.658	ug/l	100
8) Diethyl Ether	2.18	74	58953	47.475	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	98567	53.407	ug/l	96
10) Methyl Iodide	2.50	142	91724	47.455	ug/l	92
11) Tert butyl alcohol	3.04	59	141099	230.766	ug/l	99
12) 1,1-Dichloroethene	2.36	96	92830	51.367	ug/l	99
13) Acrolein	2.28	56	88227	258.659	ug/l	99
14) Allyl chloride	2.71	41	173575	48.410	ug/l	96
15) Acrylonitrile	3.13	53	300303	242.086	ug/l	98
16) Acetone	2.44	43	325511	251.075	ug/l	93
17) Carbon Disulfide	2.56	76	236647	46.709	ug/l	100
18) Methyl Acetate	2.76	43	147746	48.398	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	351828	51.433	ug/l	100
20) Methylene Chloride	2.84	84	108515	49.487	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	101294	50.593	ug/l	97
22) Diisopropyl ether	3.84	45	341888	49.347	ug/l	92
23) Vinyl Acetate	3.80	43	1491667	245.514	ug/l	96
24) 1,1-Dichloroethane	3.68	63	191569	50.868	ug/l	97
25) 2-Butanone	4.65	43	441046	237.256	ug/l	95
26) 2,2-Dichloropropane	4.57	77	171457	51.190	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	119627	51.494	ug/l	92
28) Bromochloromethane	5.00	49	63891	46.723	ug/l	93
29) Tetrahydrofuran	5.11	42	258545	228.188	ug/l	94
30) Chloroform	5.20	83	193884	50.321	ug/l	97
31) Cyclohexane	5.56	56	168064	49.329	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	172001	50.370	ug/l	98
36) 1,1-Dichloropropene	5.79	75	142664	52.732	ug/l	97
37) Ethyl Acetate	4.81	43	157745	49.873	ug/l	96
38) Carbon Tetrachloride	5.77	117	146669	53.368	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	178550	54.821	ug/l	96
40) Benzene	6.13	78	426040	53.521	ug/l	96
41) Methacrylonitrile	5.03	41	88352	49.786	ug/l	94
42) 1,2-Dichloroethane	6.18	62	156738	51.852	ug/l	97
43) Isopropyl Acetate	6.43	43	268570	50.775	ug/l	98
44) Trichloroethene	7.20	130	115341	56.679	ug/l	99
45) 1,2-Dichloropropane	7.50	63	111076	54.503	ug/l	99
46) Dibromomethane	7.65	93	74656	53.803	ug/l	98
47) Bromodichloromethane	7.89	83	151384	54.588	ug/l	99
48) Methyl methacrylate	7.76	41	129211	50.946	ug/l	92
49) 1,4-Dioxane	7.73	88	57650	1002.145	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	813650	249.199	ug/l	95
52) Toluene	8.78	92	273247	54.616	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	172545	56.234	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	186117	55.555	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	111282	55.947	ug/l	99
56) Ethyl methacrylate	9.17	69	182009	54.467	ug/l	90
57) 1,3-Dichloropropane	9.37	76	189723	54.500	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	403620	269.086	ug/l	100
59) 2-Hexanone	9.48	43	644236	257.776	ug/l	93
60) Dibromochloromethane	9.57	129	119392	59.296	ug/l	99
61) 1,2-Dibromoethane	9.67	107	116143	56.106	ug/l	99
64) Tetrachloroethene	9.33	164	102856	58.774	ug/l	95
65) Chlorobenzene	10.14	112	289215	54.718	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	109497	57.176	ug/l	99
67) Ethyl Benzene	10.25	91	529490	55.232	ug/l	100
68) m/p-Xylenes	10.35	106	401442	111.786	ug/l	99
69) o-Xylene	10.70	106	195898	56.375	ug/l	98
70) Styrene	10.71	104	337974	58.018	ug/l	98
71) Bromoform	10.85	173	82368	61.769	ug/l #	99
73) Isopropylbenzene	11.01	105	521022	52.695	ug/l	99
74) N-amyl acetate	10.89	43	240121	50.905	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	169039	51.621	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	164129m	51.110	ug/l	
77) Bromobenzene	11.25	156	121436	54.266	ug/l	99
78) n-propylbenzene	11.35	91	576514	51.791	ug/l	100
79) 2-Chlorotoluene	11.42	91	354474	51.047	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	438400	52.874	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	59740	53.313	ug/l	92
82) 4-Chlorotoluene	11.51	91	418773	52.903	ug/l	99
83) tert-Butylbenzene	11.77	119	427540	53.454	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	445517	53.264	ug/l	99
85) sec-Butylbenzene	11.94	105	512656	55.108	ug/l	99
86) p-Isopropyltoluene	12.06	119	473933	56.460	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	228953	56.852	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	226644	55.694	ug/l	100
89) n-Butylbenzene	12.38	91	406966	55.019	ug/l	100
90) Hexachloroethane	12.59	117	82986	55.453	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	222052	55.075	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	40981	50.030	ug/l	94

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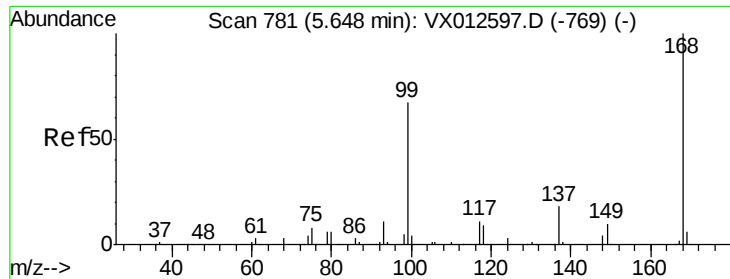
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	148711	60.481	ug/l	98
94) Hexachlorobutadiene	13.78	225	65432	61.858	ug/l	99
95) Naphthalene	13.83	128	482686	54.259	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	145750	59.175	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 168085

Ion Ratio Lower Upper

168 100

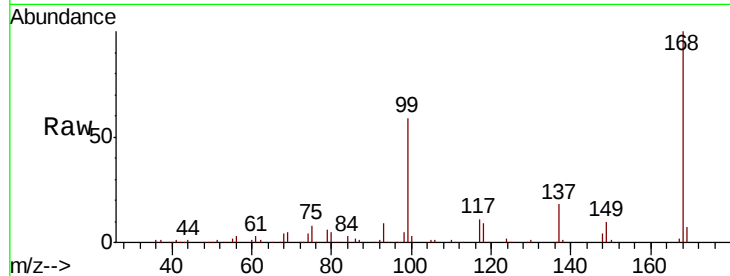
99 58.9 51.4 77.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

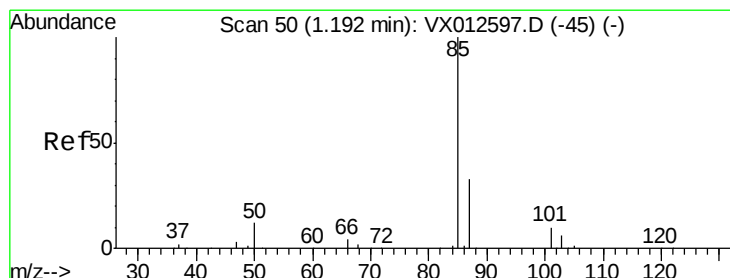
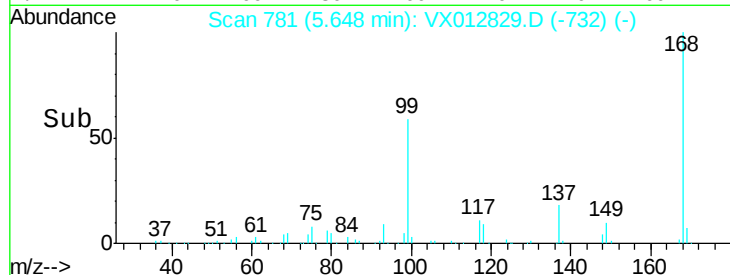
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.498 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012829.D

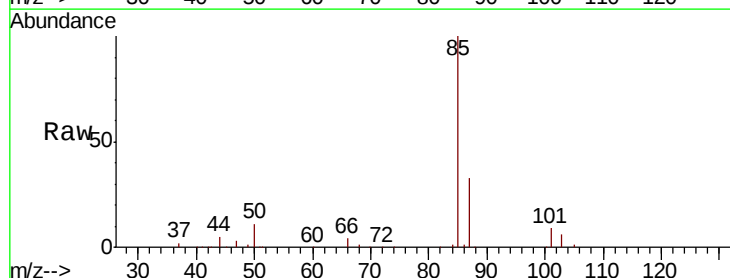
Acq: 07 Oct 2019 11:18

Tgt Ion: 85 Resp: 82251

Ion Ratio Lower Upper

85 100

87 33.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

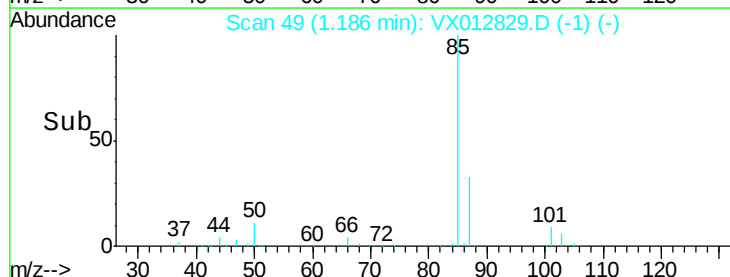
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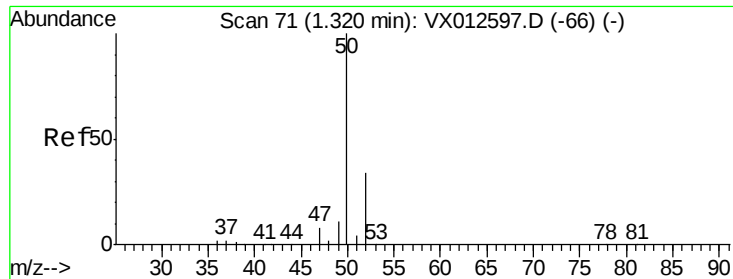
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20000

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Time-->





#3

Chloromethane

Concen: 41.906 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 90991

Ion Ratio Lower Upper

50 100

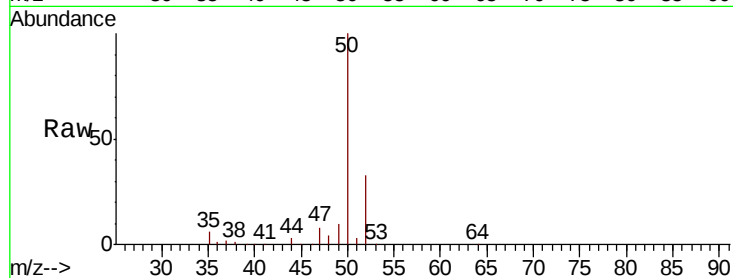
52 32.6 25.7 38.5

Manual Integrations

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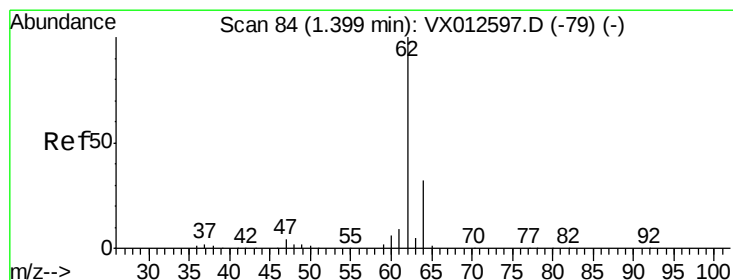
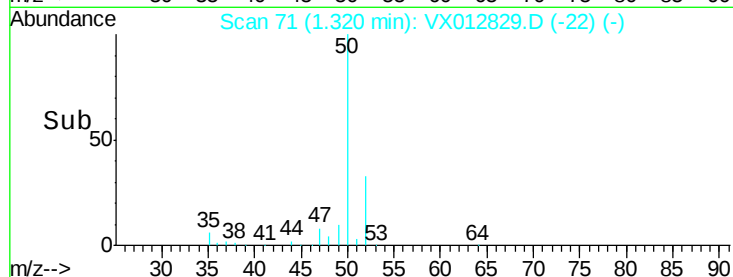
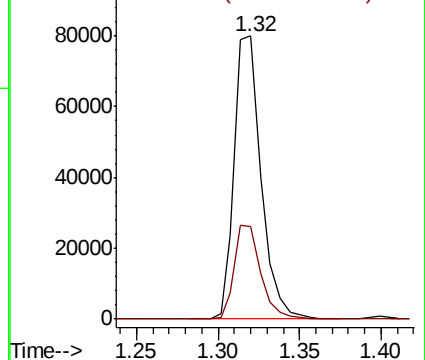
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.104 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012829.D

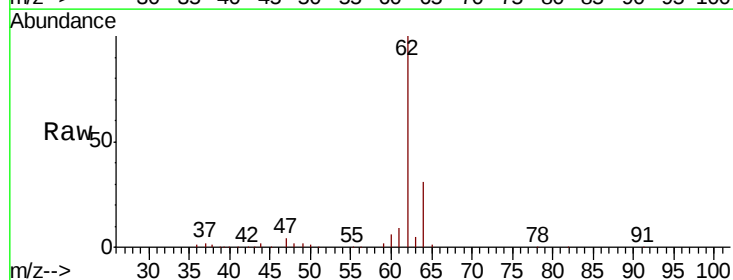
Acq: 07 Oct 2019 11:18

Tgt Ion: 62 Resp: 97344

Ion Ratio Lower Upper

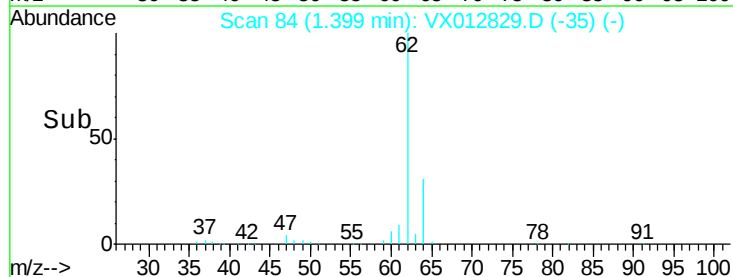
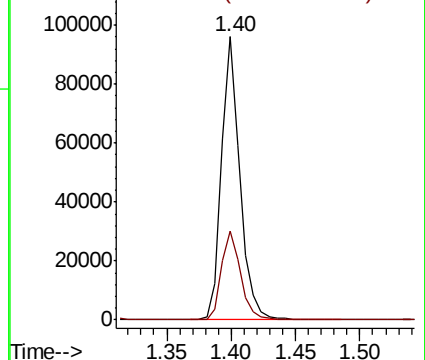
62 100

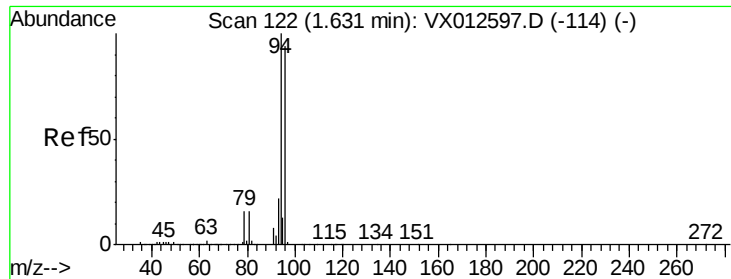
64 31.4 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.402 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 37677

Ion Ratio Lower Upper

94 100

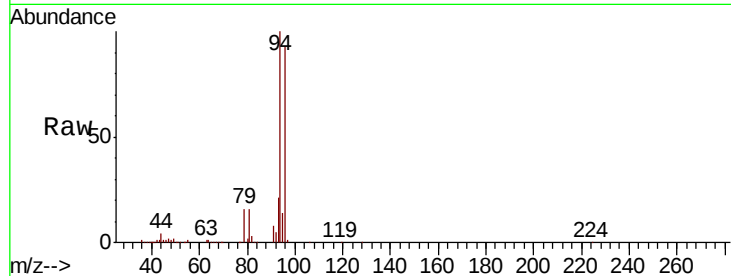
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Manual Integrations

APPROVED

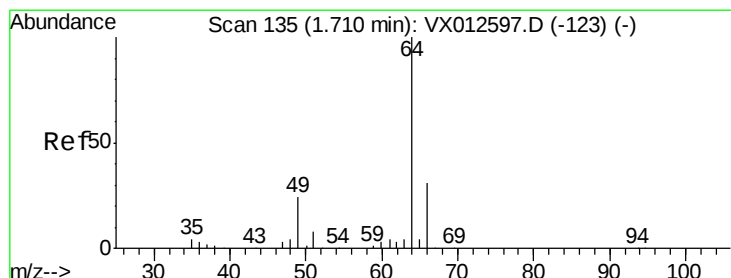
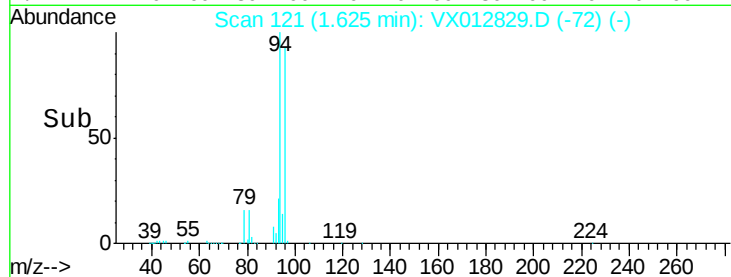
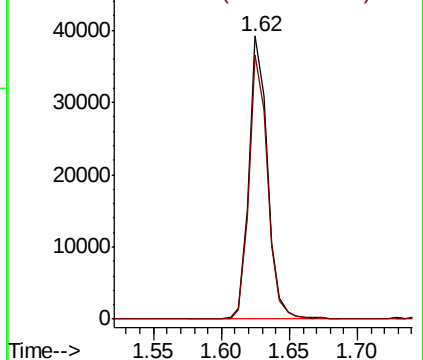
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 42.146 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012829.D

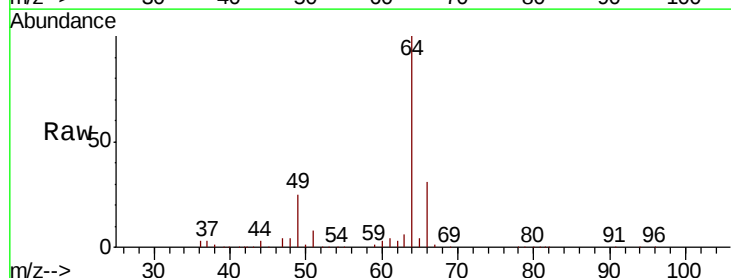
Acq: 07 Oct 2019 11:18

Tgt Ion: 64 Resp: 61320

Ion Ratio Lower Upper

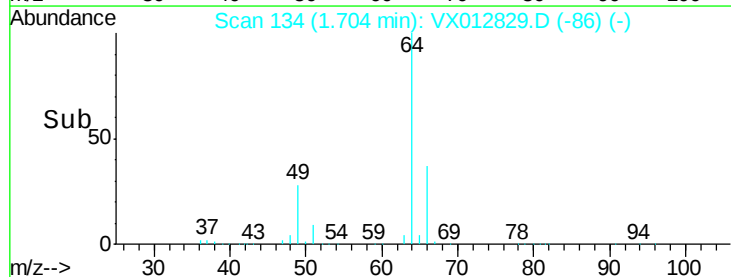
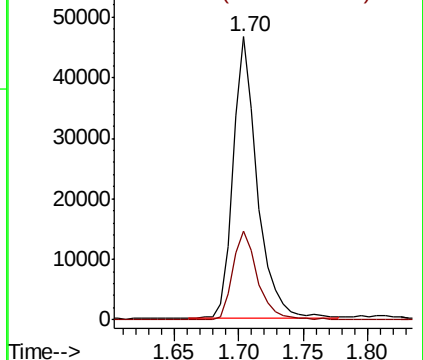
64 100

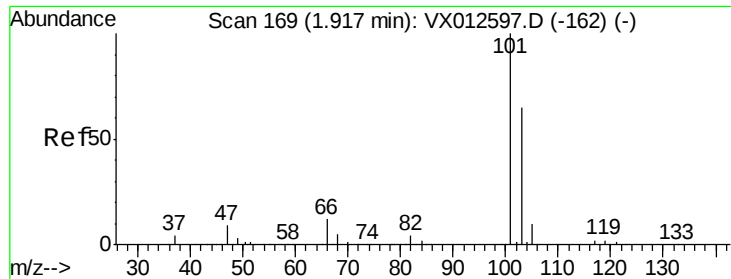
66 31.4 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

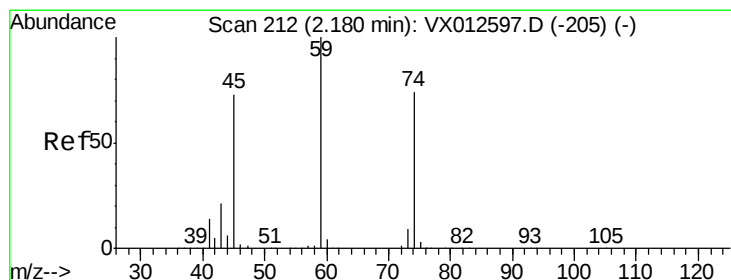
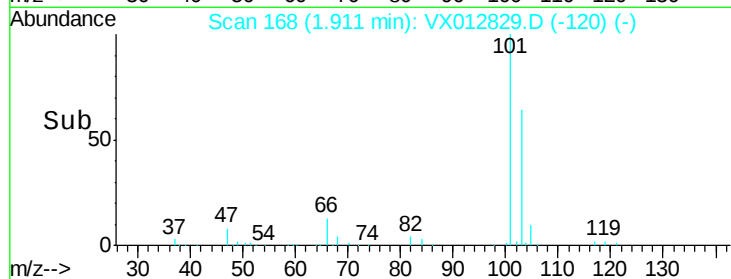
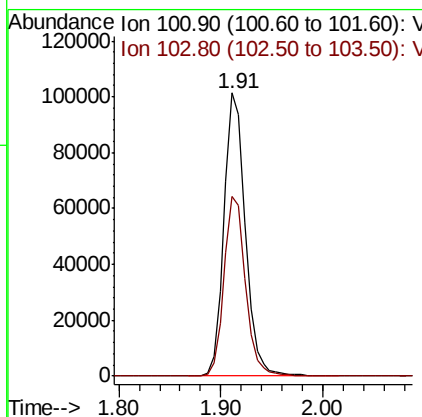
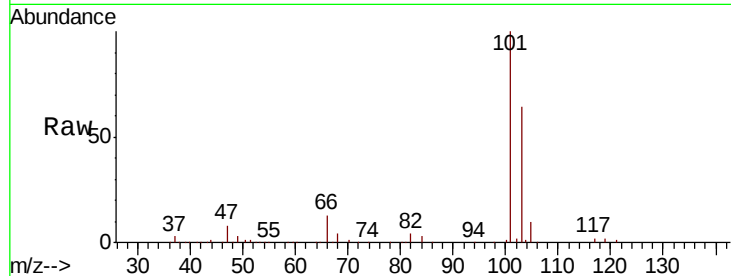
Trichlorofluoromethane
 Concen: 48.658 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 147442
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.0 76.4

Manual Integrations
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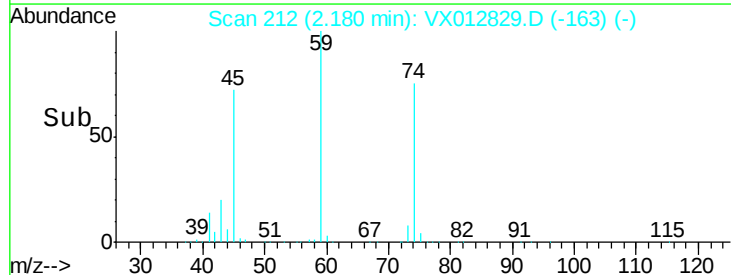
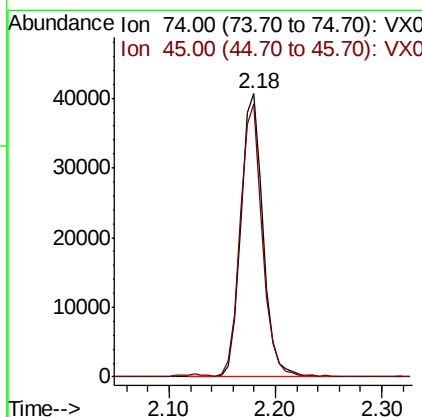
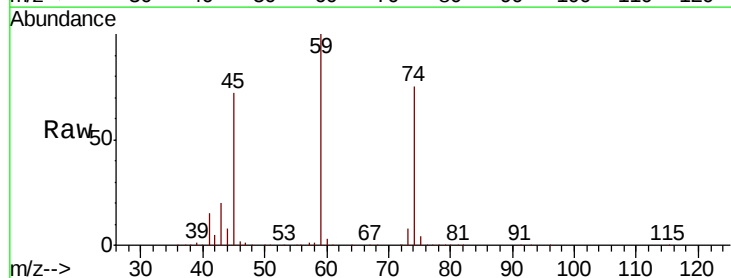
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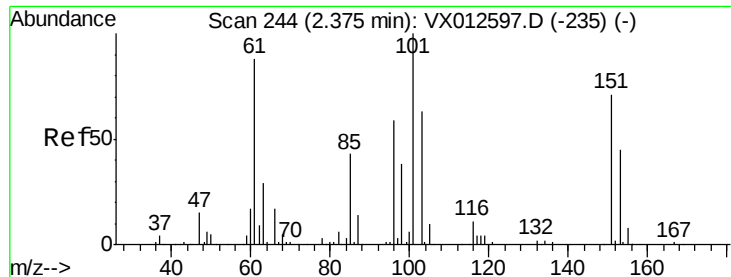


#8

Diethyl Ether
 Concen: 47.475 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion: 74 Resp: 58953
 Ion Ratio Lower Upper
 74 100
 45 96.1 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.407 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

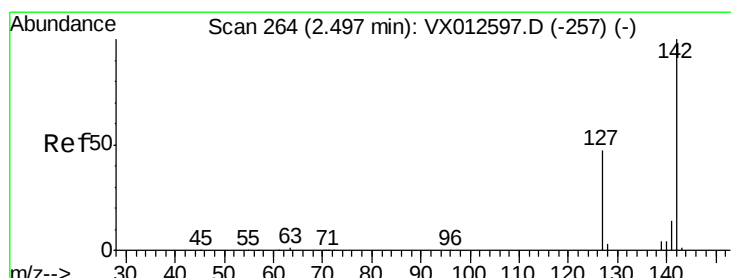
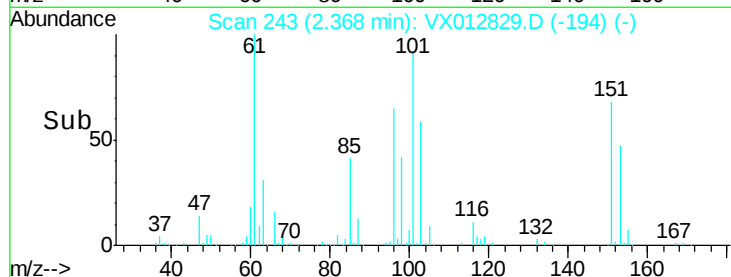
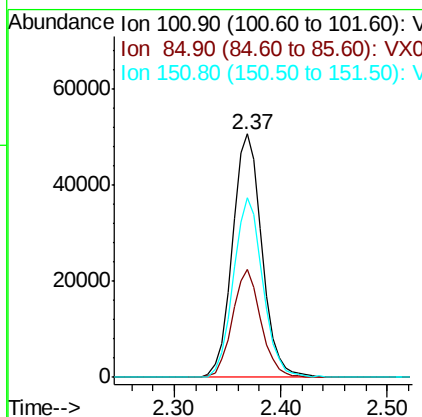
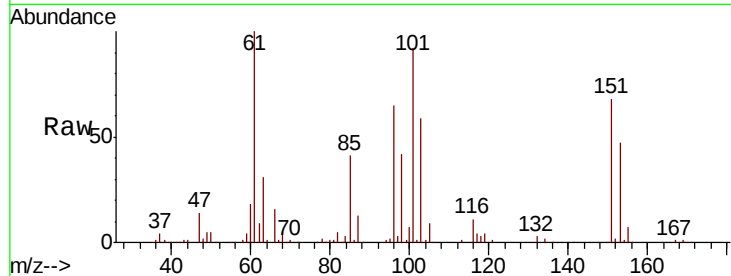
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	98567
Ion Ratio	Lower	Upper	
101	100		
85	43.0	37.3	55.9
151	73.7	61.0	91.4

Manual Integrations
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#10

Methyl Iodide

Concen: 47.455 ug/l

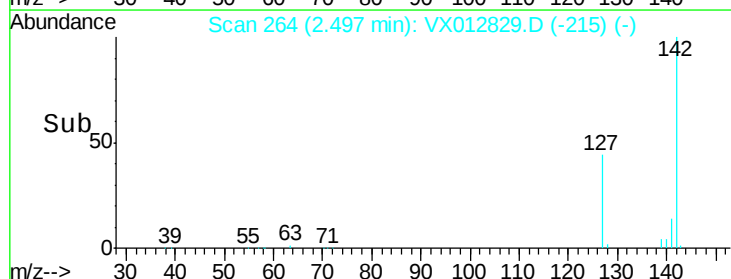
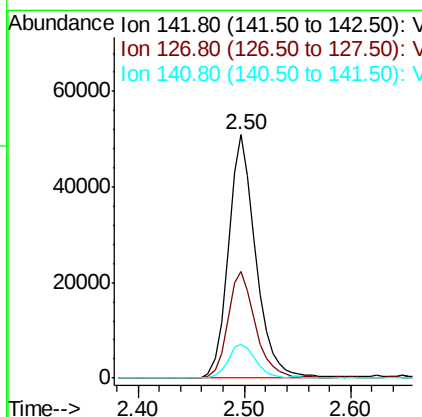
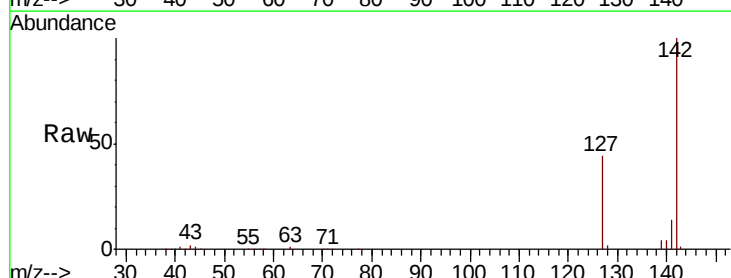
RT: 2.50 min Scan# 264

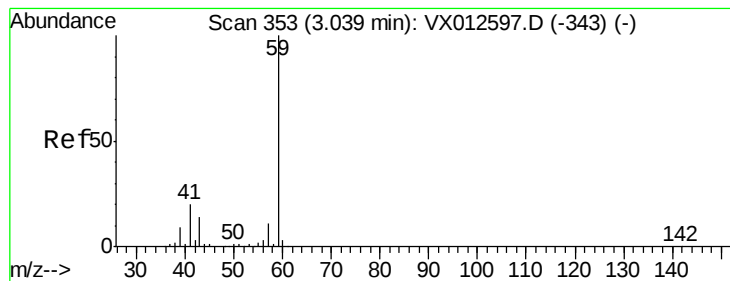
Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Tgt Ion:	142	Resp:	91724
Ion Ratio	Lower	Upper	
142	100		
127	44.0	40.8	61.2
141	14.4	12.1	18.1





#11

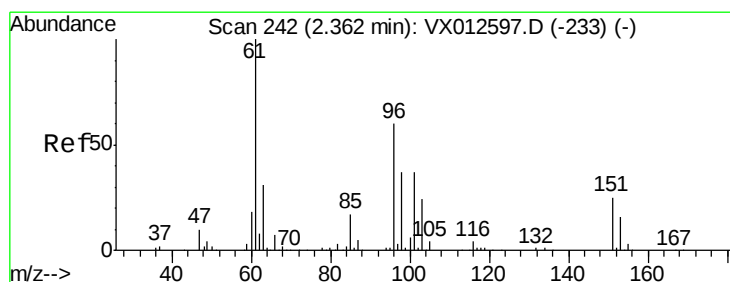
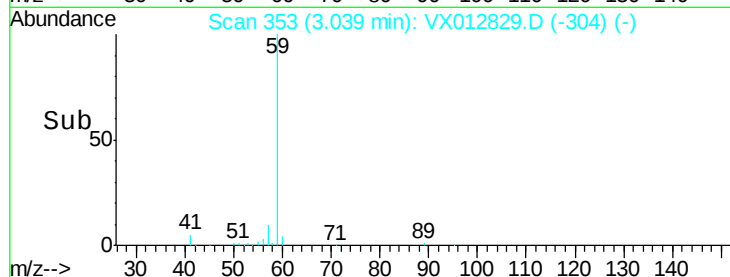
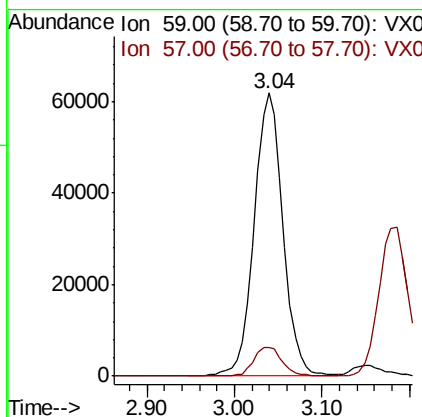
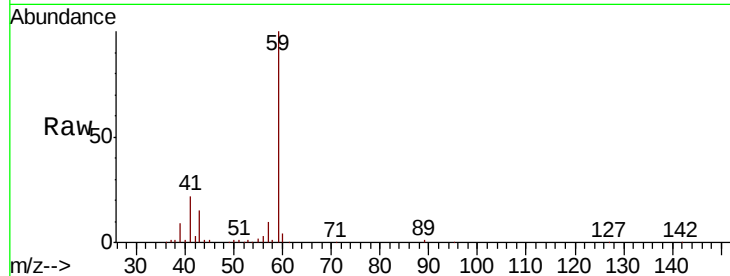
Tert butyl alcohol
 Concen: 230.766 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 141099
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.3 12.5

Manual Integrations
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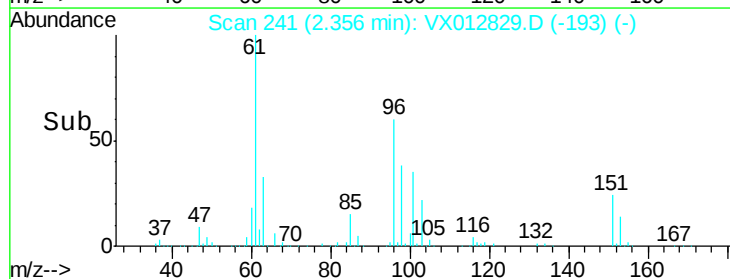
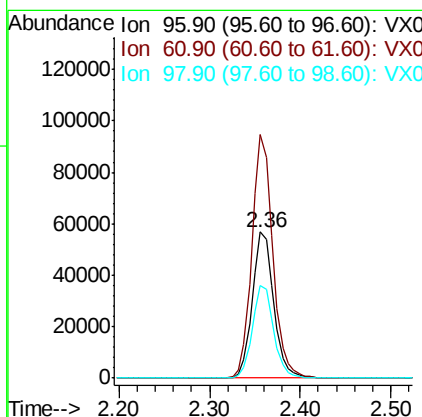
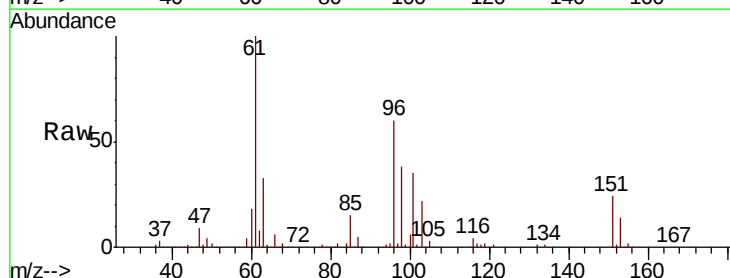
MMDadoda
 10/8/2019 1:12:47 PM

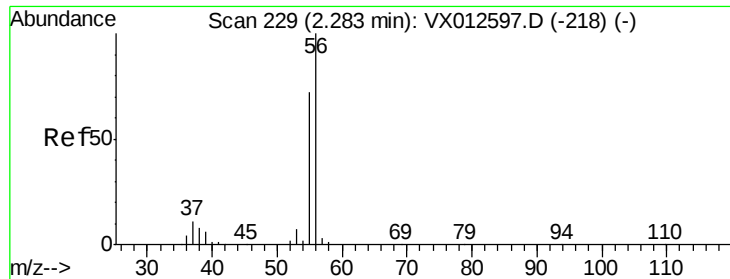


#12

1,1-Dichloroethene
 Concen: 51.367 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion: 96 Resp: 92830
 Ion Ratio Lower Upper
 96 100
 61 166.6 133.8 200.6
 98 63.0 49.9 74.9





#13

Acrolein

Concen: 258.659 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 88227

Ion Ratio Lower Upper

56 100

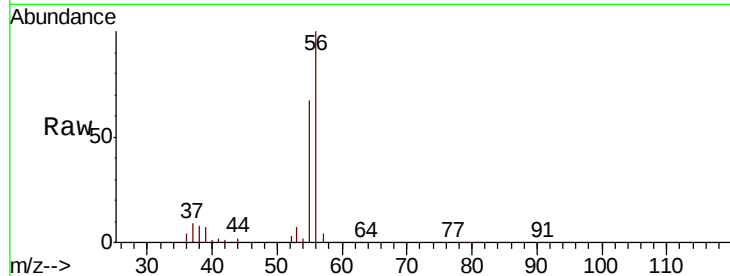
55 69.1 55.8 83.8

Manual Integrations

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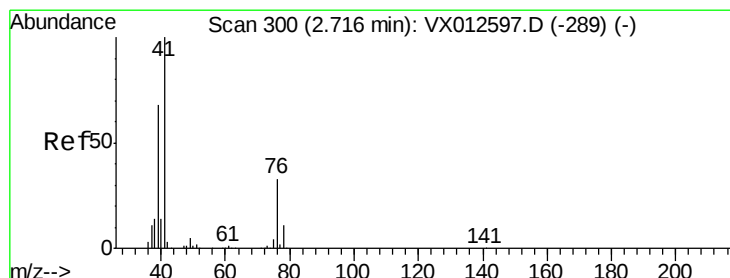
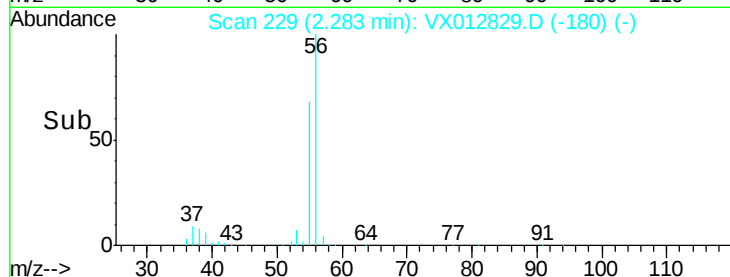
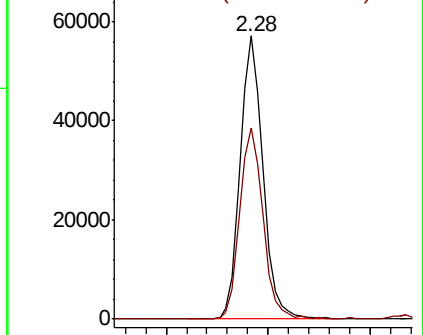
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.410 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

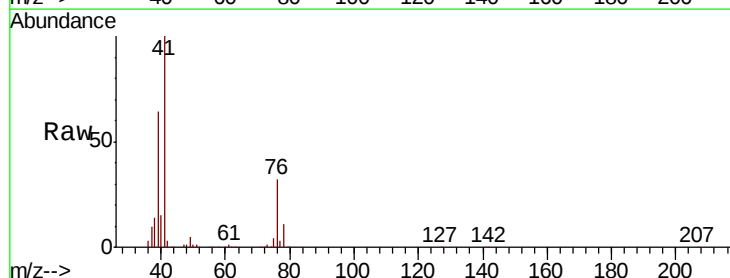
Tgt Ion: 41 Resp: 173575

Ion Ratio Lower Upper

41 100

39 62.6 51.3 76.9

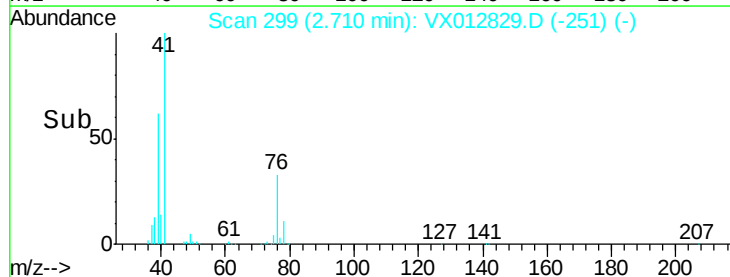
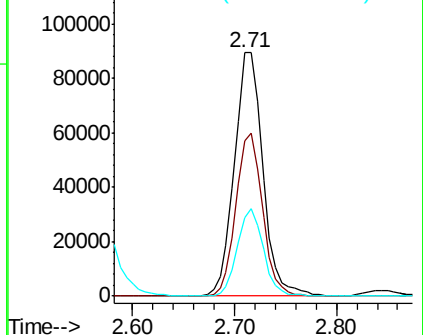
76 32.8 22.6 33.8

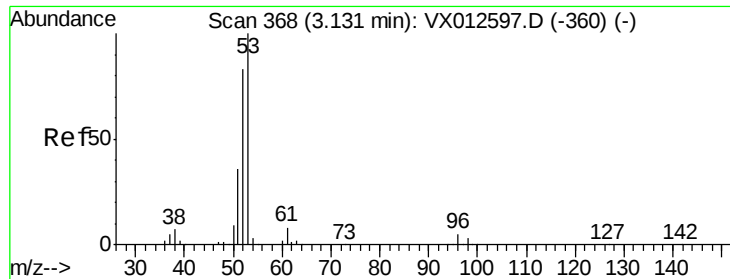


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 242.086 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

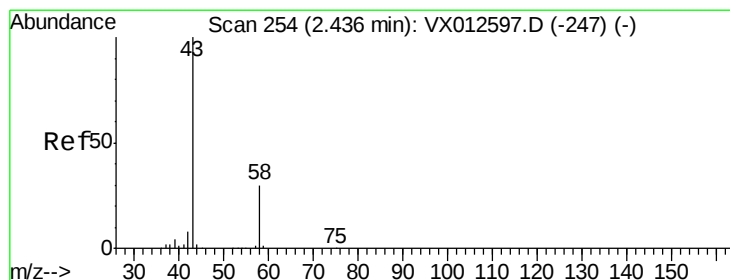
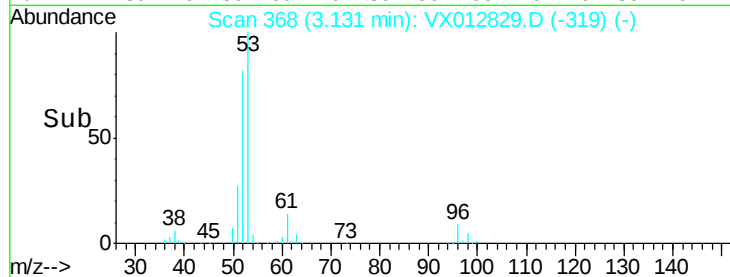
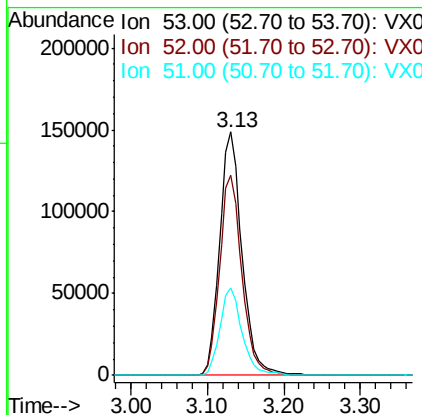
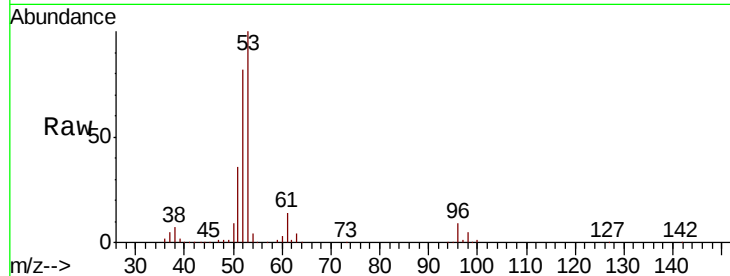
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	300303
Ion Ratio		Lower	Upper
53	100		
52	81.9	67.0	100.4
51	35.7	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 251.075 ug/l

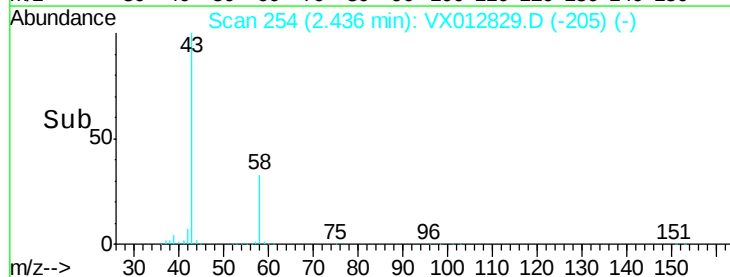
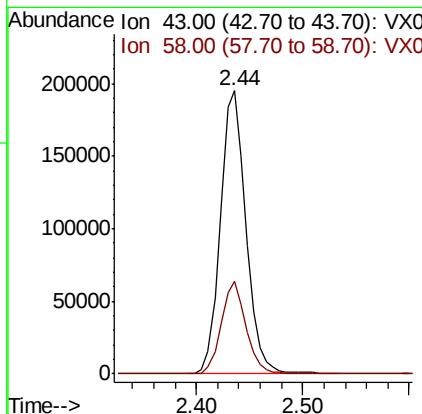
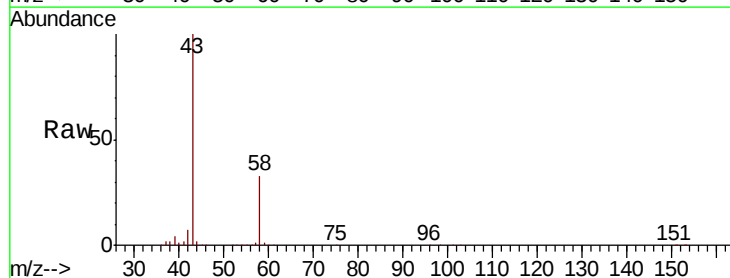
RT: 2.44 min Scan# 254

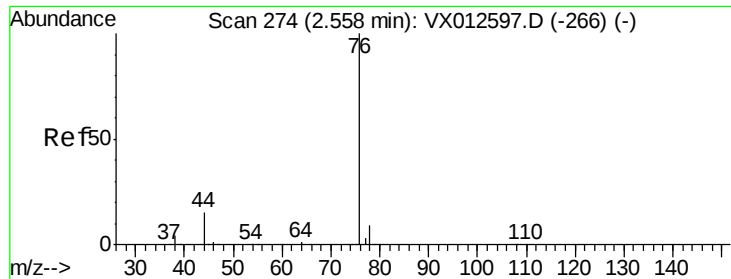
Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Tgt Ion:	43	Resp:	325511
Ion Ratio		Lower	Upper
43	100		
58	32.7	23.3	34.9





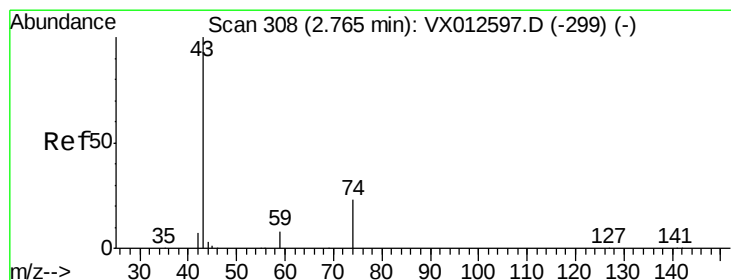
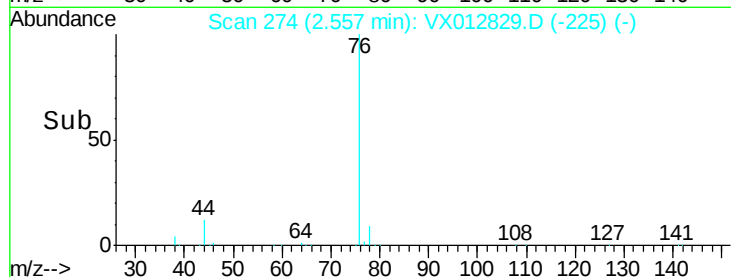
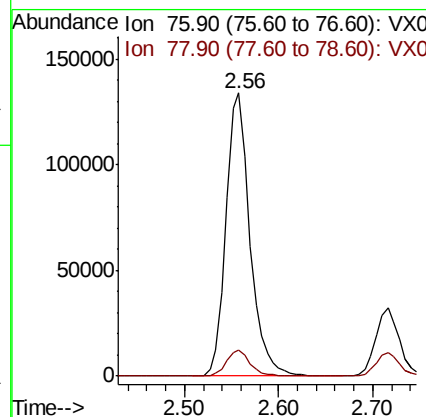
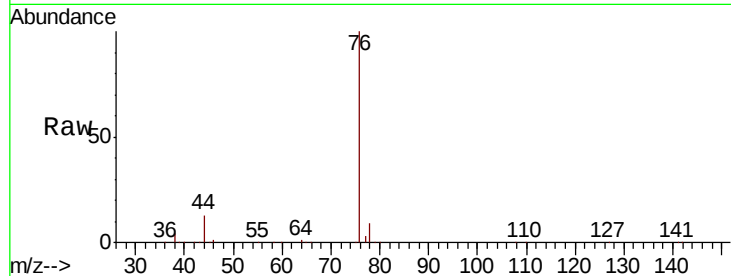
#17
Carbon Disulfide
Concen: 46.709 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

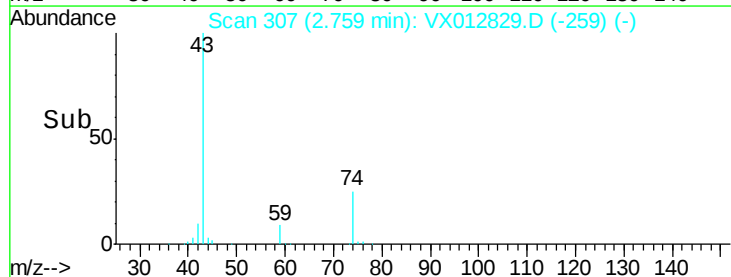
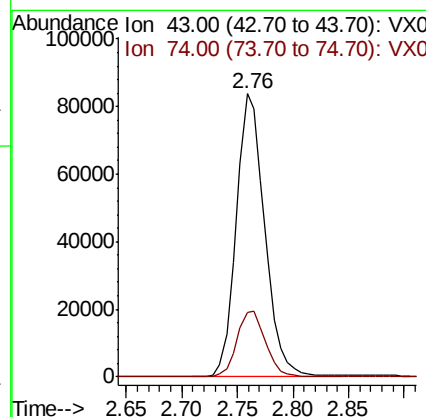
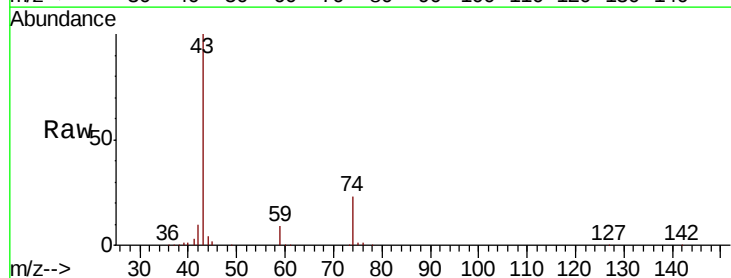
Manual Integrations
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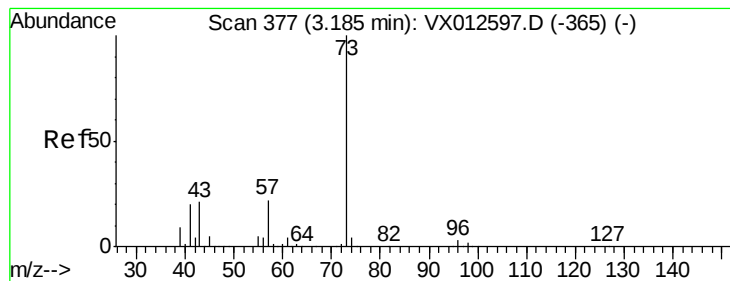
MMDadoda
10/8/2019 1:12:47 PM



#18
Methyl Acetate
Concen: 48.398 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	17.7	26.5





#19

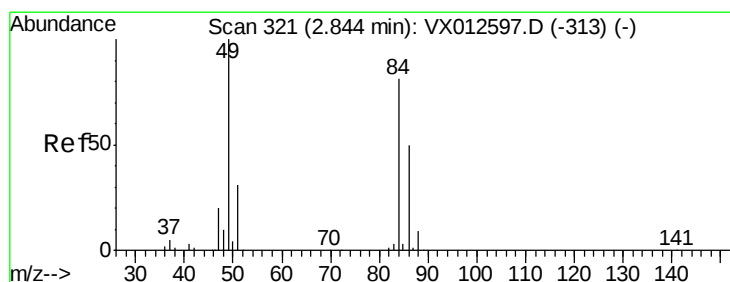
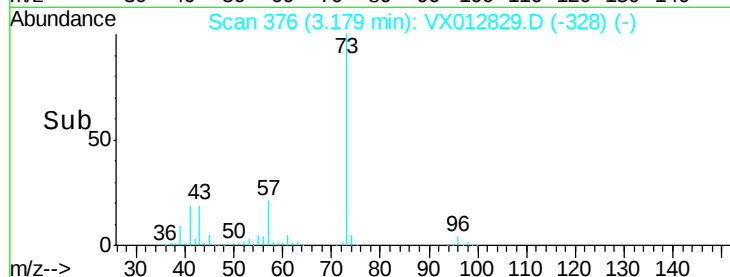
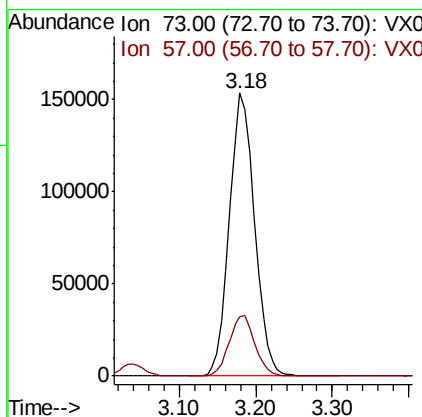
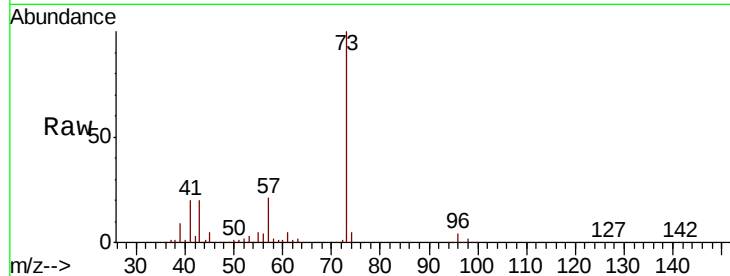
Methyl tert-butyl Ether
 Concen: 51.433 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.8	25.2

Manual Integrations
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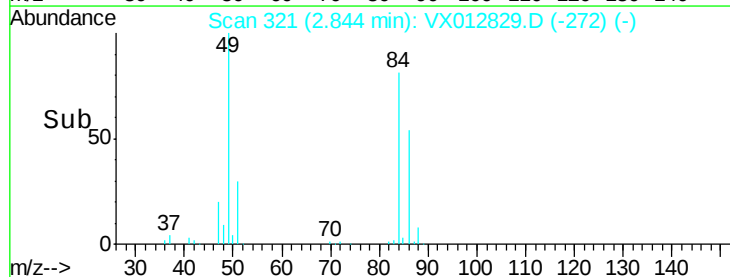
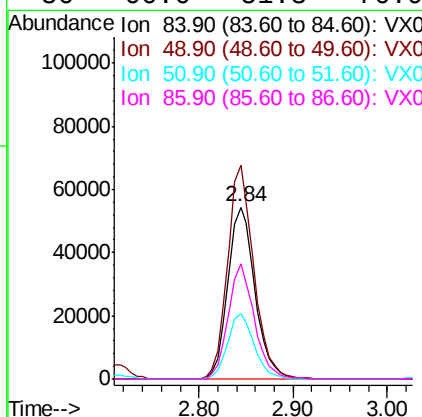
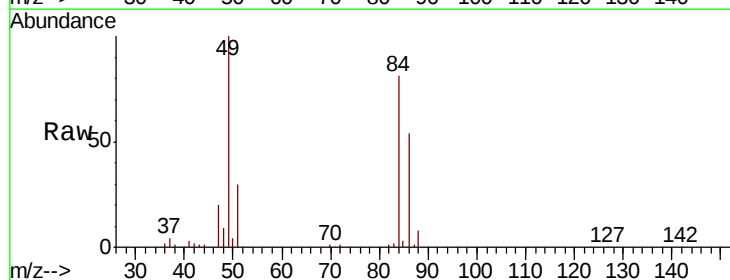
MMDadoda
 10/8/2019 1:12:47 PM

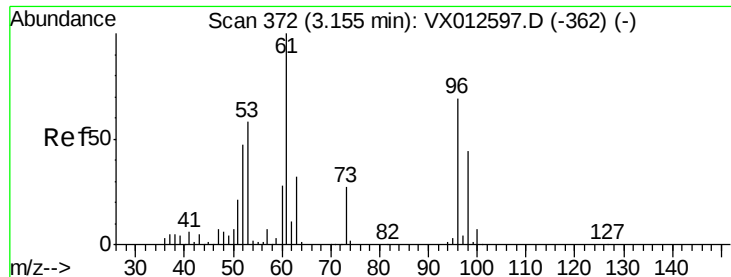


#20

Methylene Chloride
 Concen: 49.487 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.1	106.8	160.2
51	37.6	32.3	48.5
86	66.6	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 50.593 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

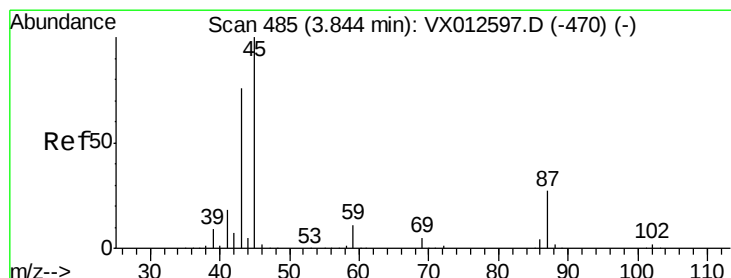
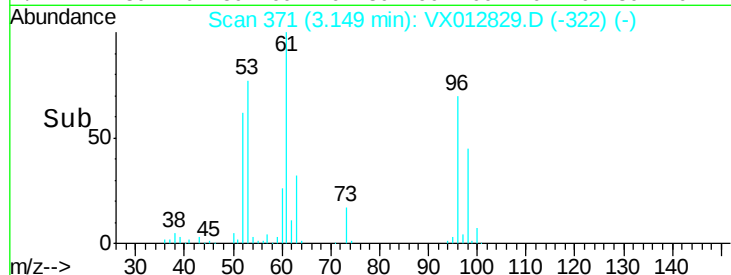
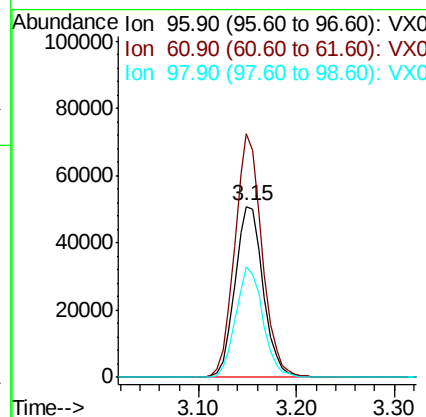
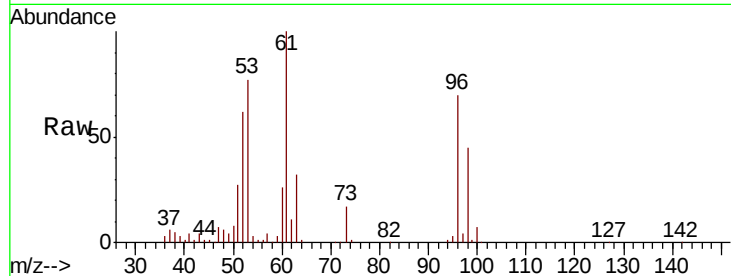
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	101294
Ion	Ratio	Lower	Upper
96	100		
61	142.5	112.0	168.0
98	64.5	47.8	71.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.347 ug/l

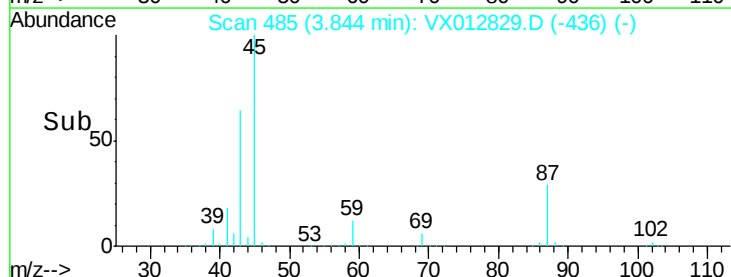
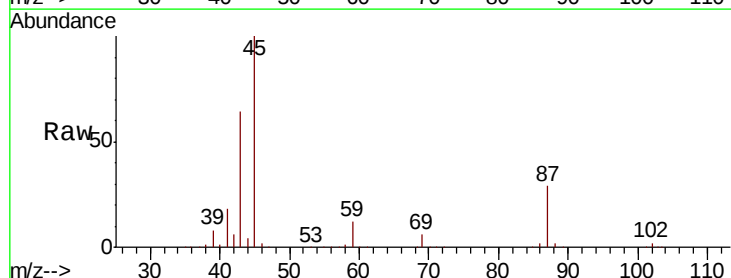
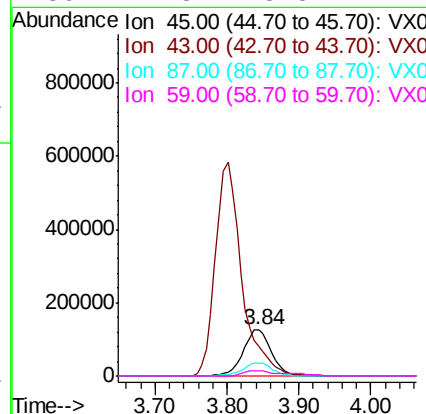
RT: 3.84 min Scan# 485

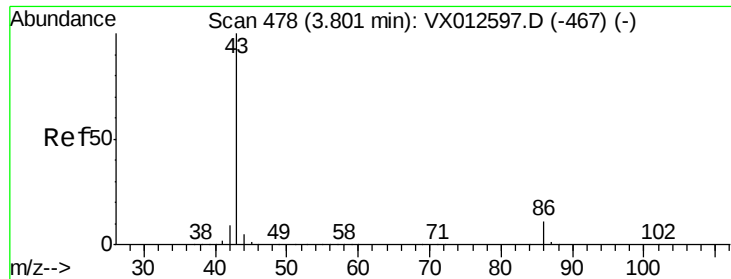
Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Tgt Ion:	45	Resp:	341888
Ion	Ratio	Lower	Upper
45	100		
43	63.6	57.8	86.8
87	28.7	21.3	31.9
59	11.8	8.5	12.7





#23

Vinyl Acetate

Concen: 245.514 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1491667

Ion Ratio Lower Upper

43 100

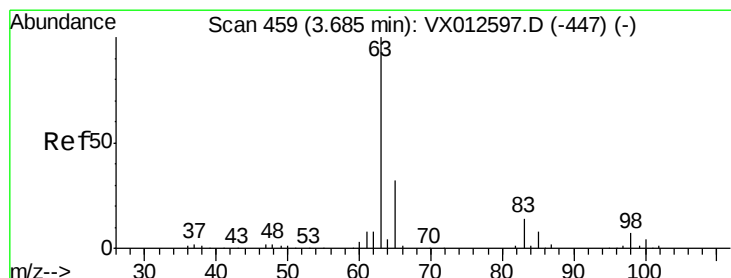
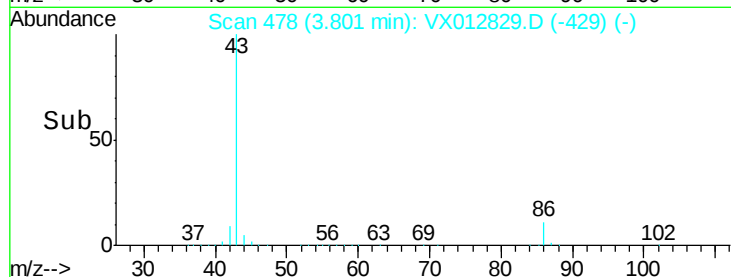
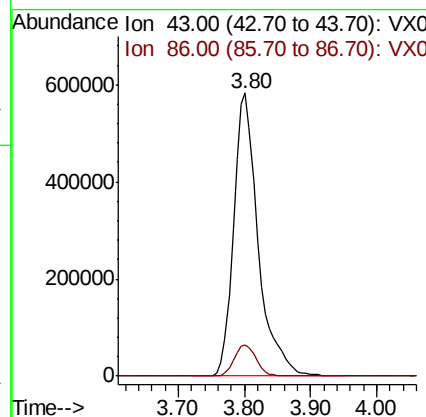
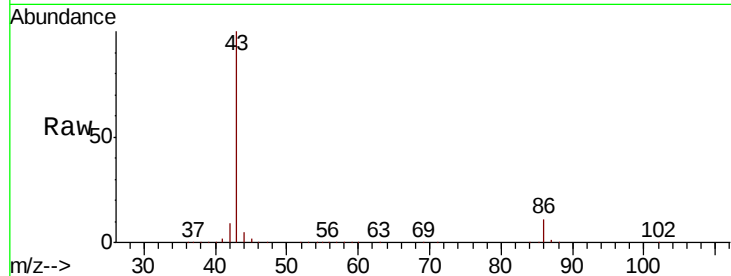
86 11.2 7.8 11.8

Manual Integrations

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MMDadoda

10/8/2019 1:12:47 PM



#24

1,1-Dichloroethane

Concen: 50.868 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

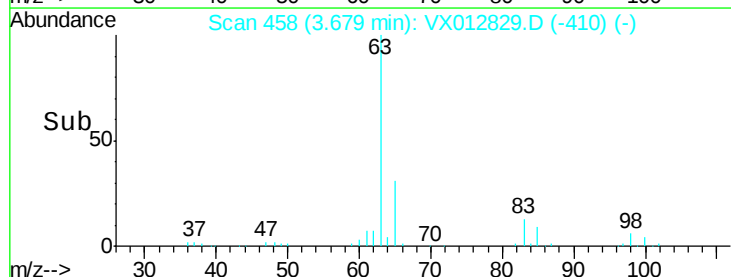
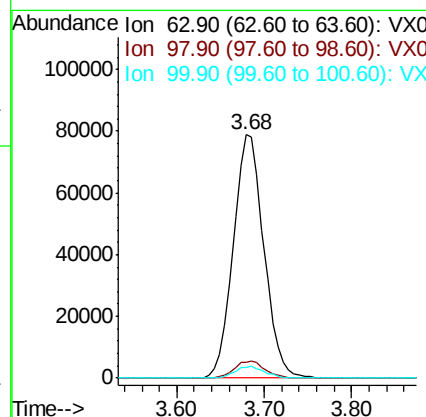
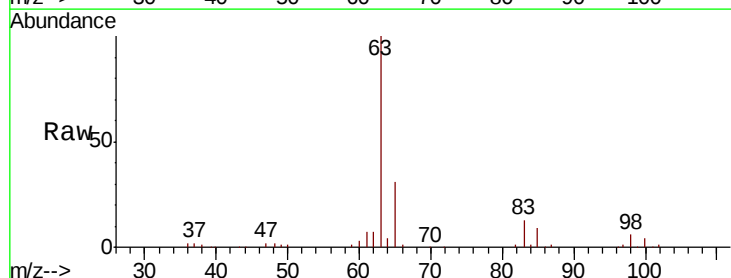
Tgt Ion: 63 Resp: 191569

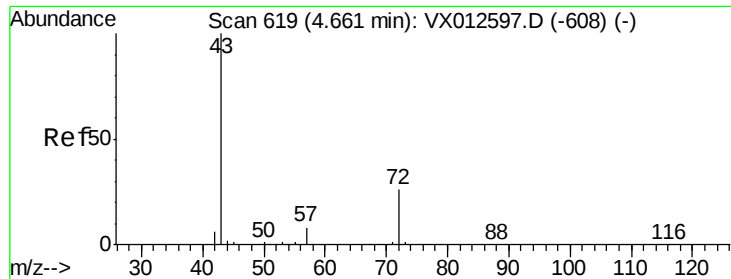
Ion Ratio Lower Upper

63 100

98 6.4 3.9 11.7

100 4.3 2.3 6.9





#25

2-Butanone

Concen: 237.256 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 441046

Ion Ratio Lower Upper

43 100

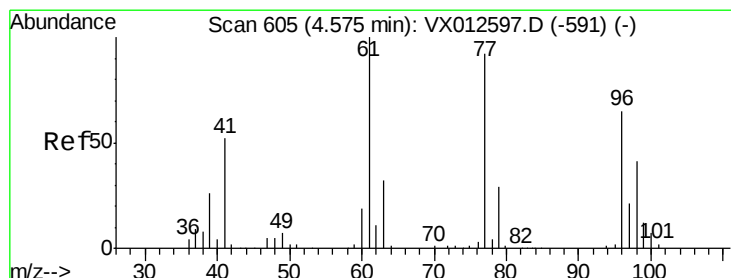
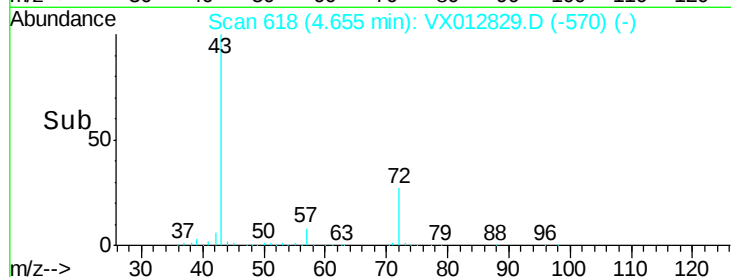
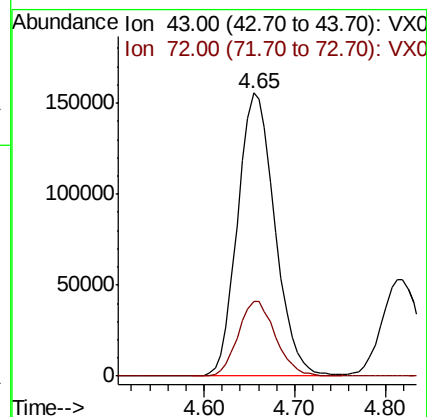
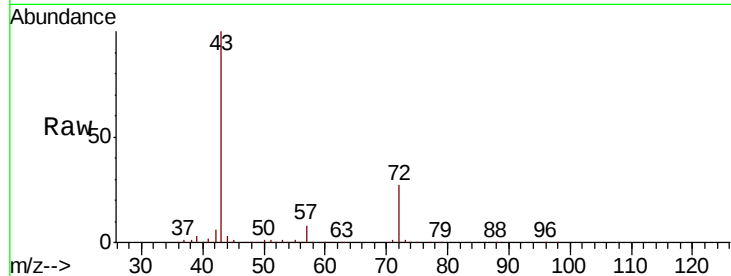
72 26.5 19.2 28.8

Manual Integrations

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10/8/2019 1:12:47 PM



#26

2,2-Dichloropropane

Concen: 51.190 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012829.D

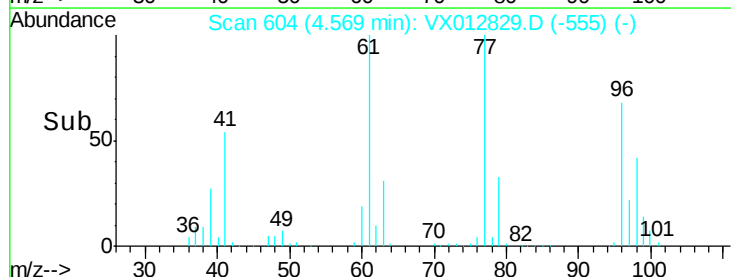
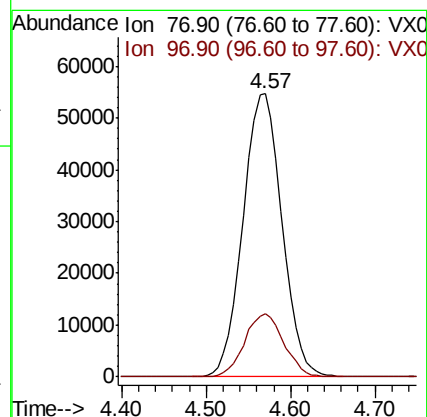
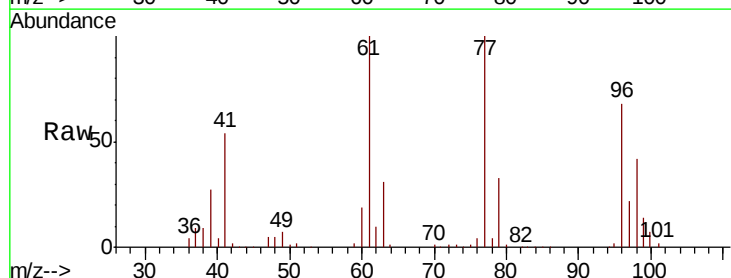
Acq: 07 Oct 2019 11:18

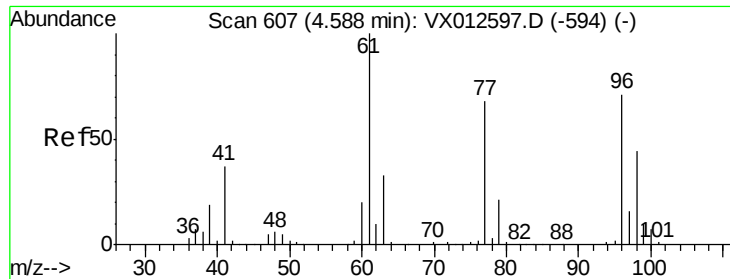
Tgt Ion: 77 Resp: 171457

Ion Ratio Lower Upper

77 100

97 22.4 10.5 31.6





#27

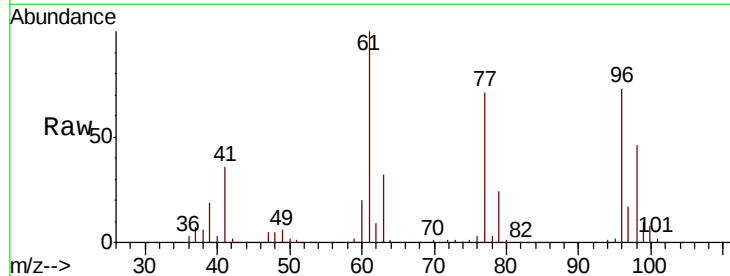
cis-1,2-Dichloroethene
Concen: 51.494 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119627		
61	146.7	0.0	319.4	
98	63.7	0.0	130.6	

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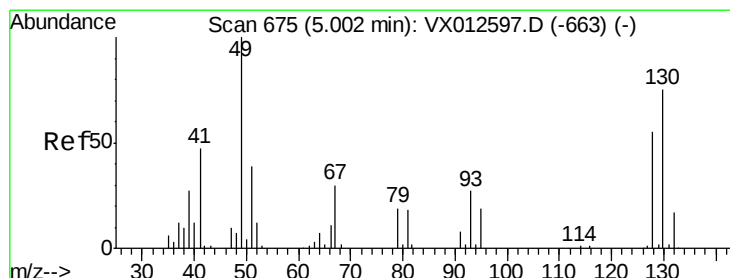
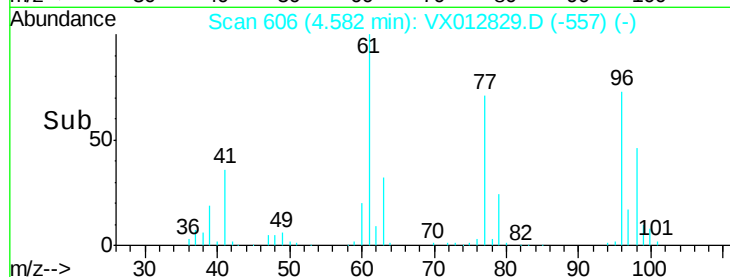
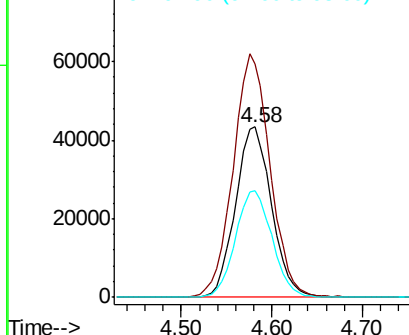


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

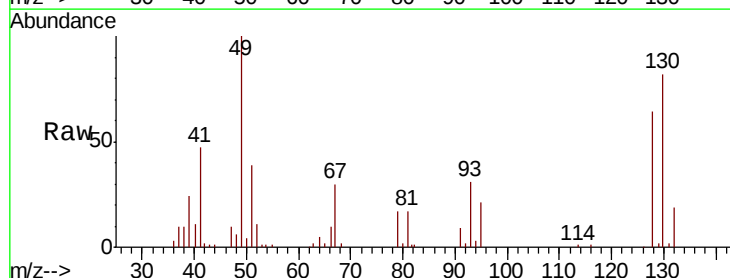
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 46.723 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	63891		
129	2.2	0.0	3.8	
130	79.1	58.2	87.4	

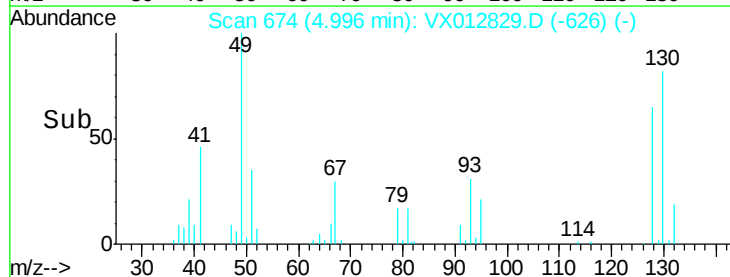
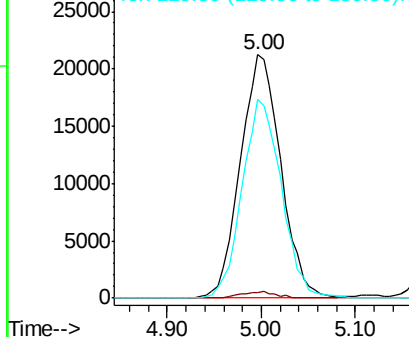


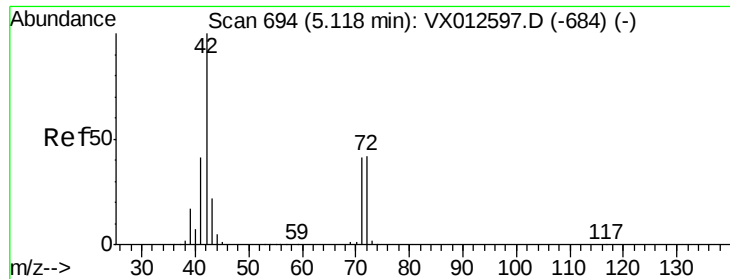
Abundance

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





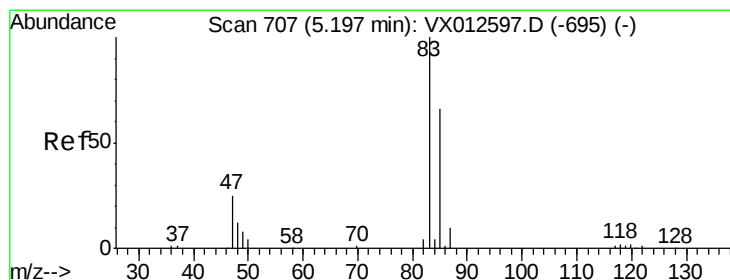
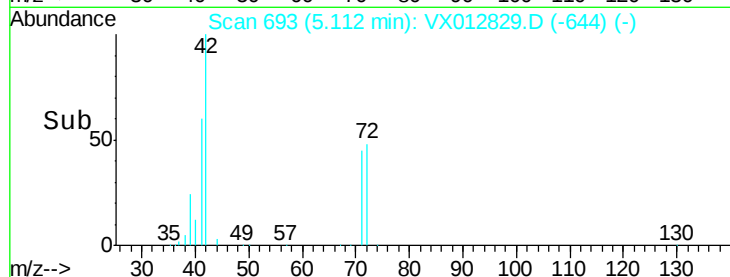
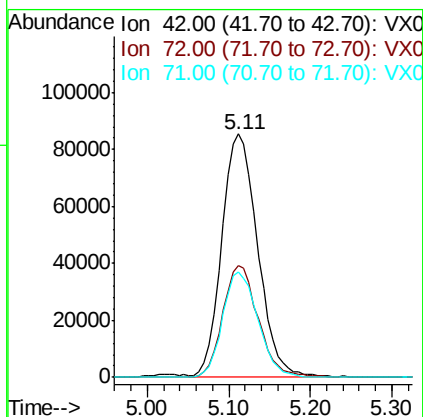
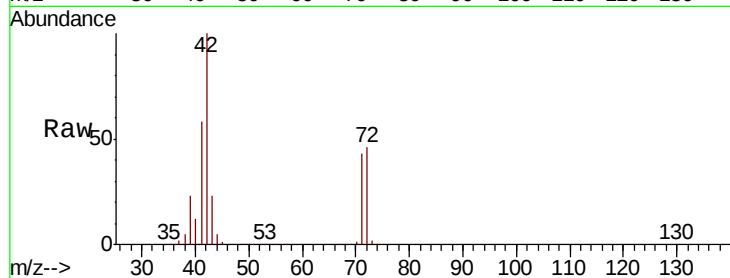
#29
Tetrahydrofuran
Concen: 228.188 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	34.0	51.0
71	43.1	31.5	47.3

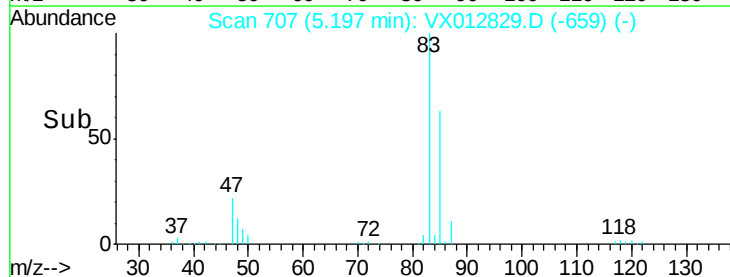
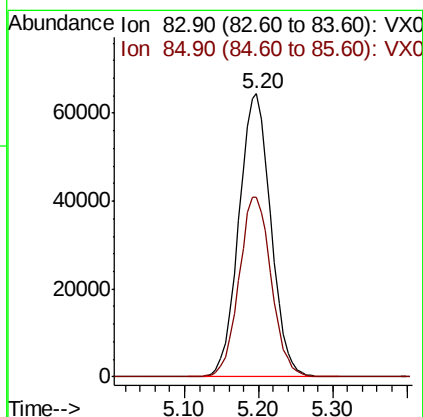
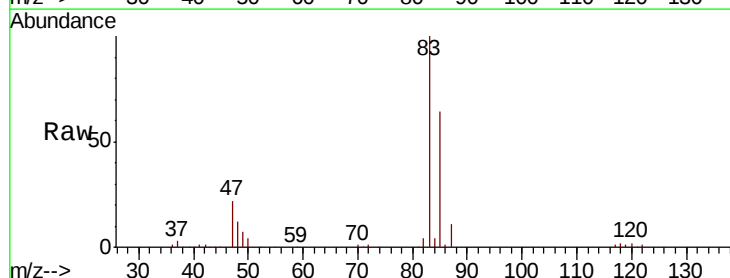
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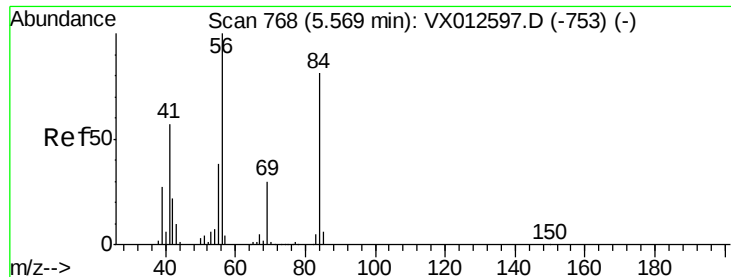
MMDadoda
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#30
Chloroform
Concen: 50.321 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.0	79.4





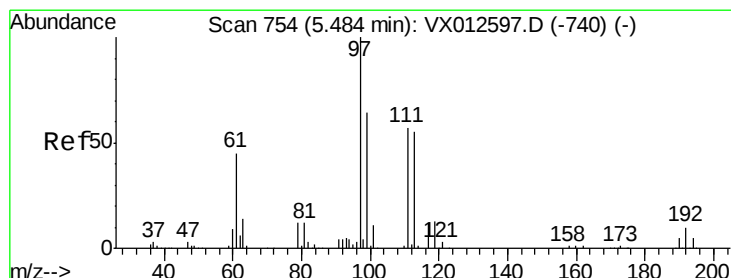
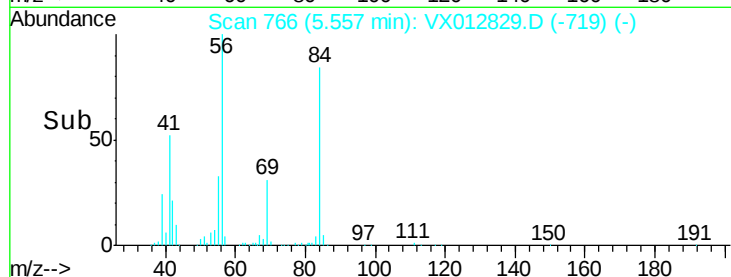
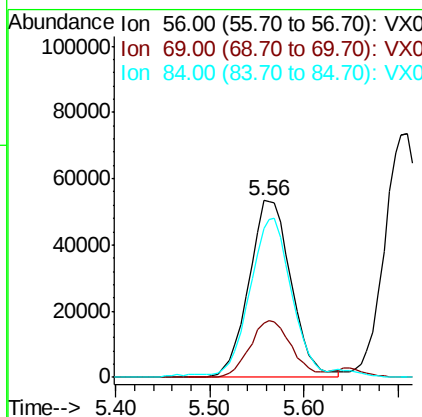
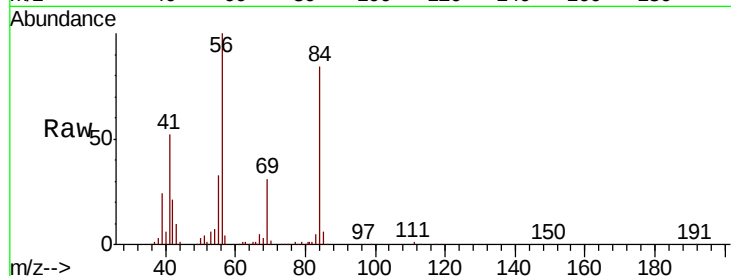
#31
Cyclohexane
Concen: 49.329 ug/l
RT: 5.56 min Scan# 766
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.0	37.6
84	82.7	66.4	99.6

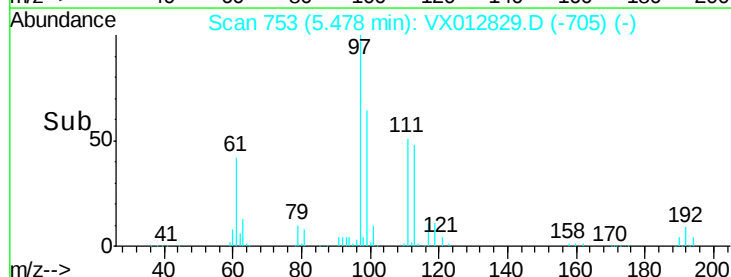
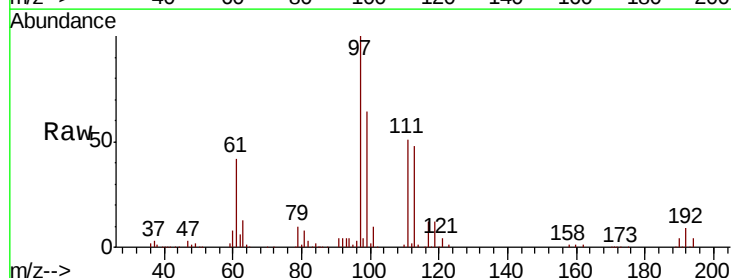
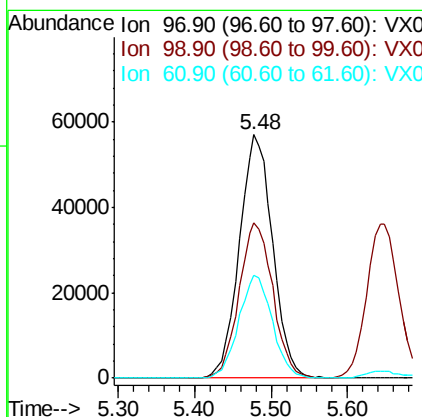
Manual Integrations
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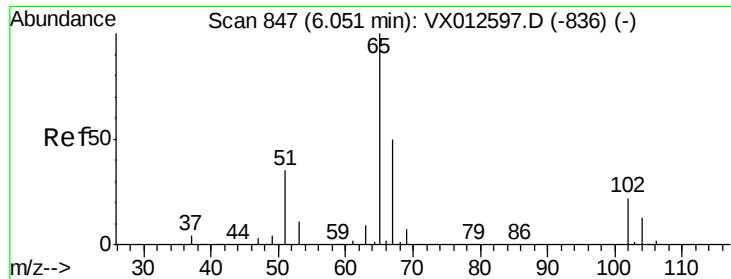
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#32
1,1,1-Trichloroethane
Concen: 50.370 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	42.7	36.1	54.1





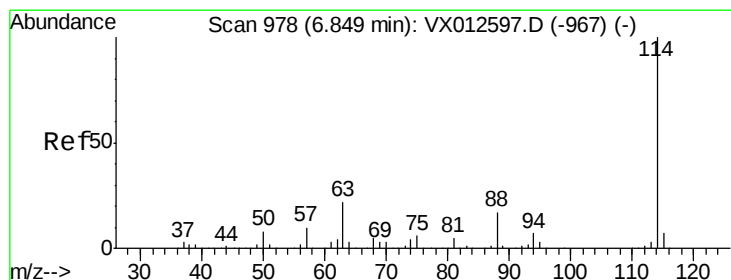
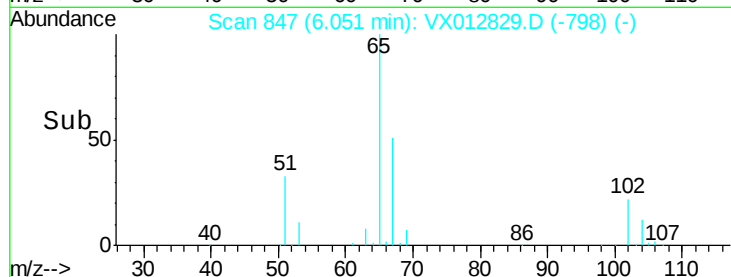
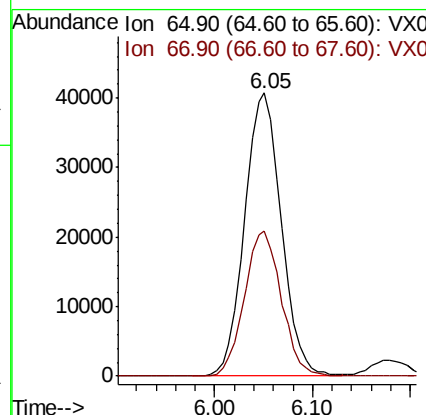
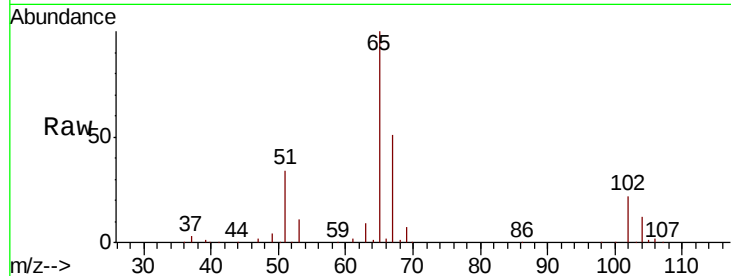
#33
 1,2-Dichloroethane-d4
 Concen: 43.415 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106264		
67	51.5	0.0	101.2	

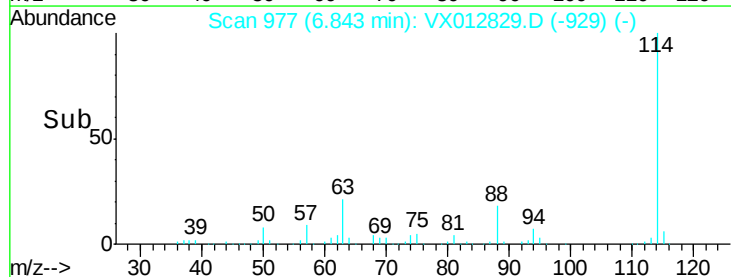
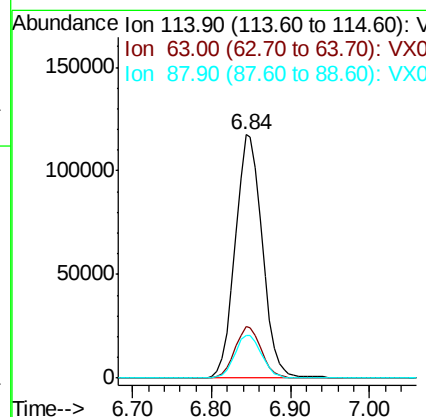
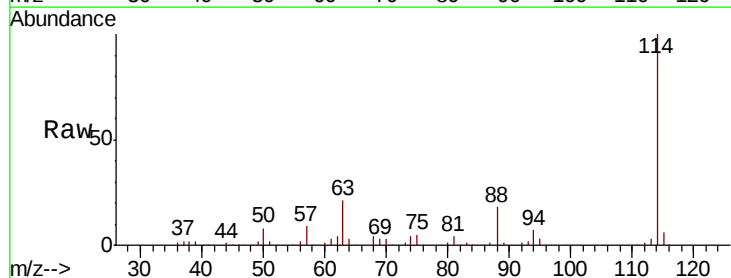
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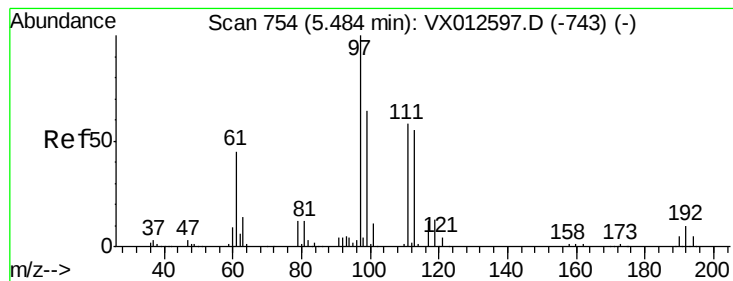
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	280678		
63	21.3	0.0	43.2	
88	17.6	0.0	33.2	





#35

Dibromofluoromethane

Concen: 50.052 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

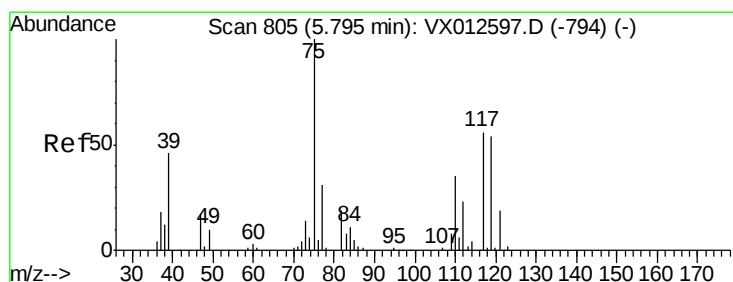
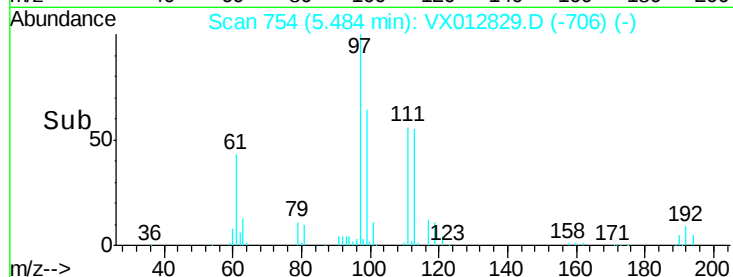
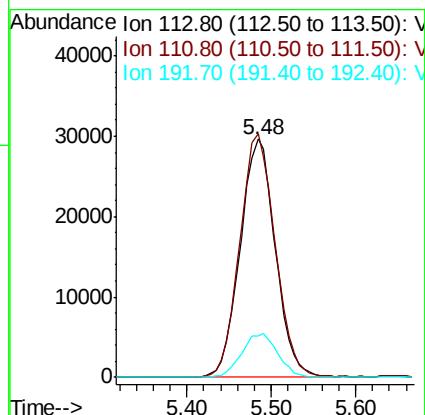
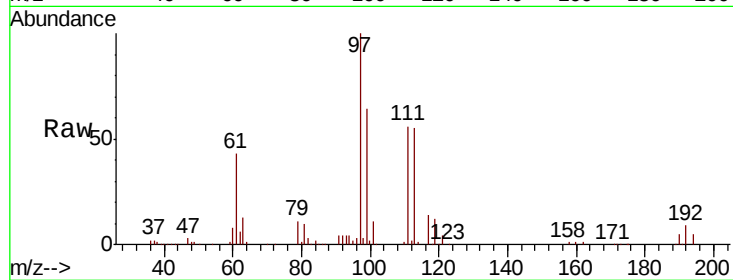
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	83664
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.2
192	18.9	14.4	21.6

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#36

1,1-Dichloropropene

Concen: 52.732 ug/l

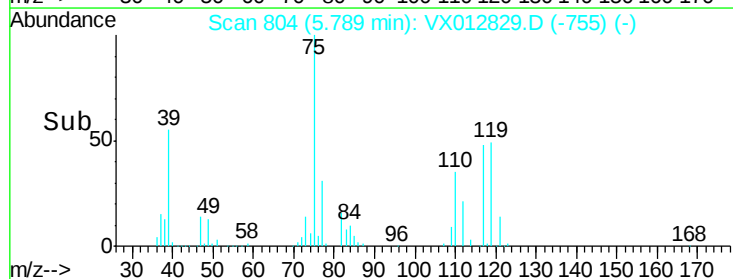
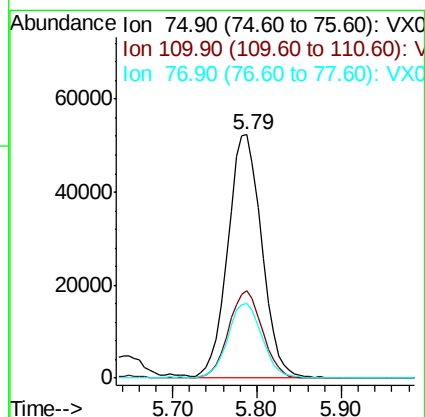
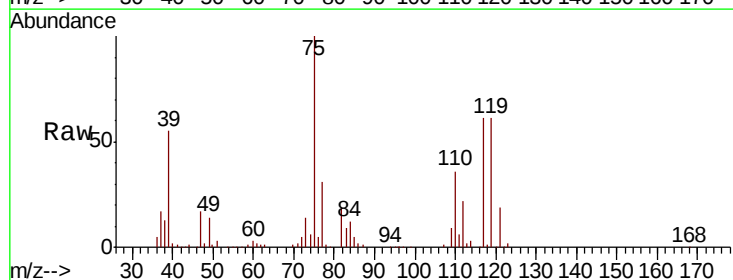
RT: 5.79 min Scan# 804

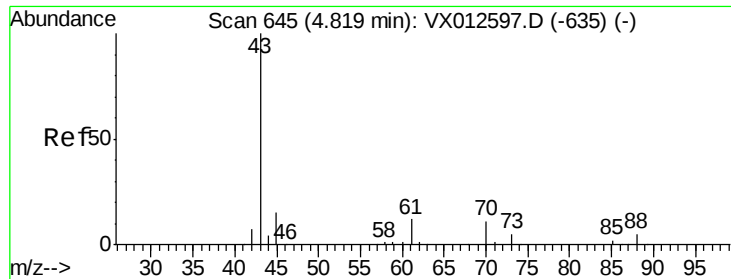
Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Tgt Ion:	75	Resp:	142664
Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.7	50.0
77	30.8	24.2	36.2





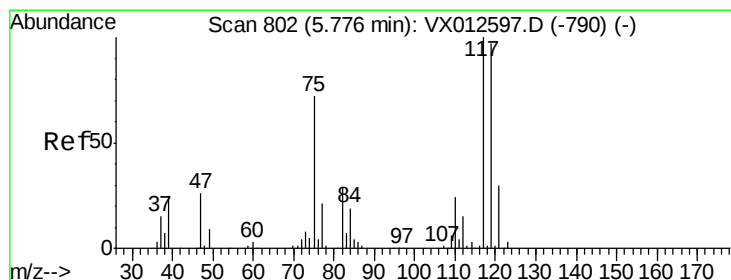
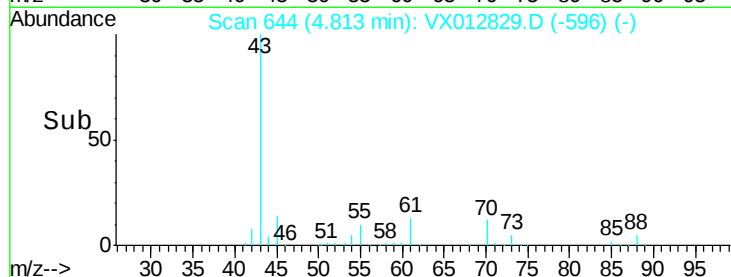
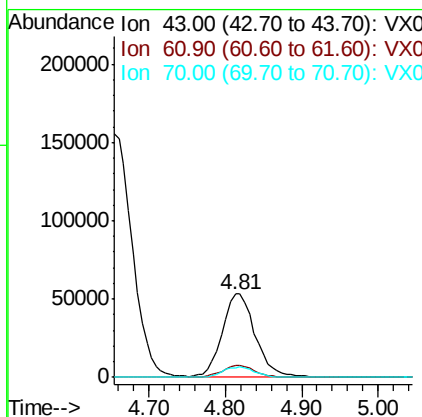
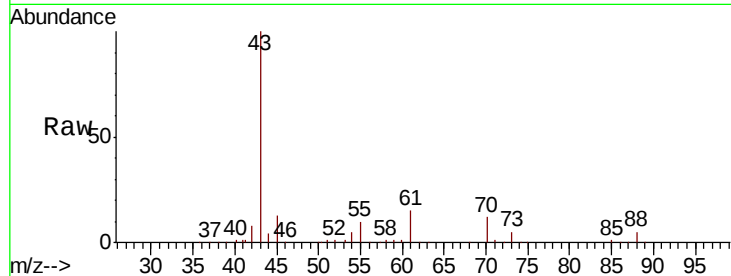
#37
Ethyl Acetate
Concen: 49.873 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.4
70	12.6	8.7	13.1

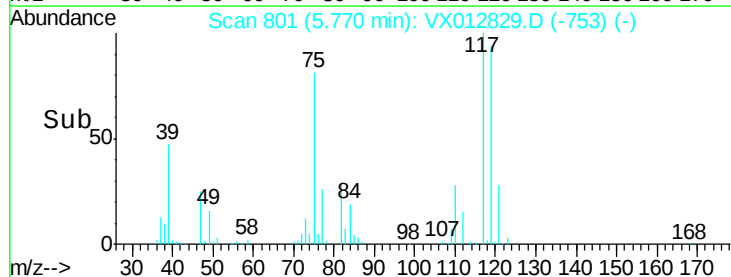
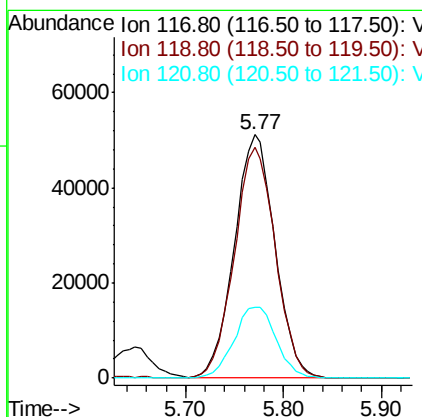
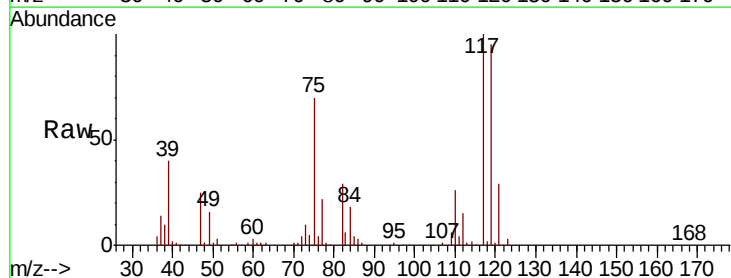
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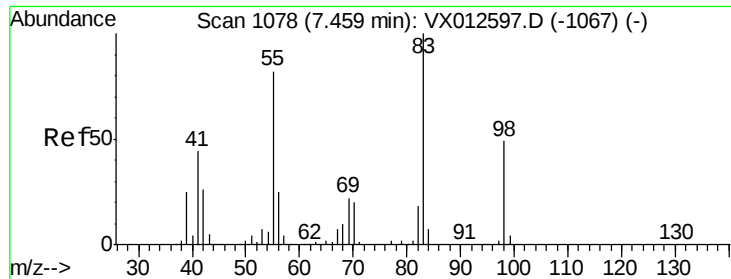
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.368 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.7	113.5
121	29.3	24.2	36.4





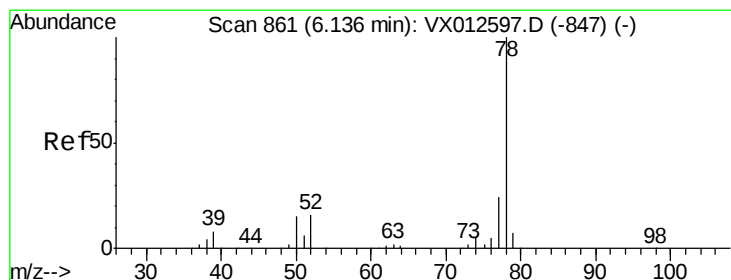
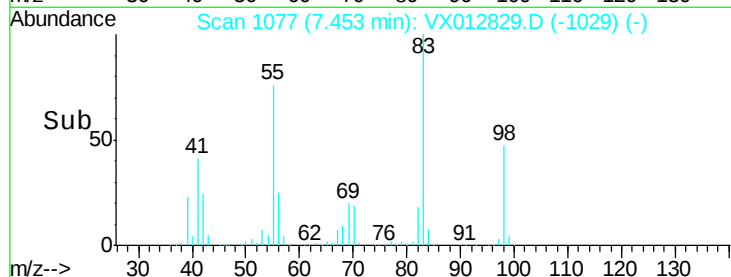
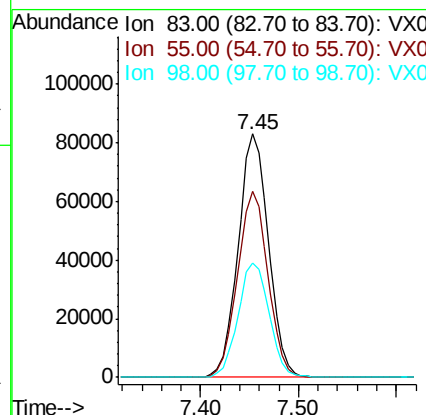
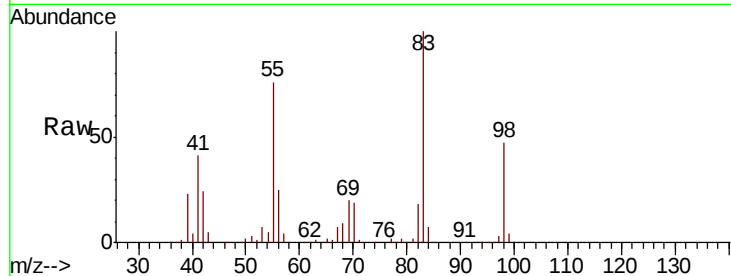
#39
Methvlcvclohexane
Concen: 54.821 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	64.4	96.6
98	47.1	40.1	60.1

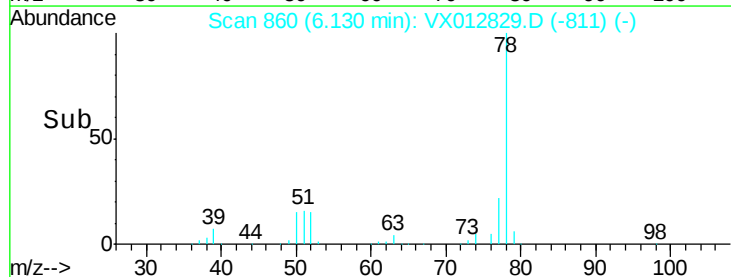
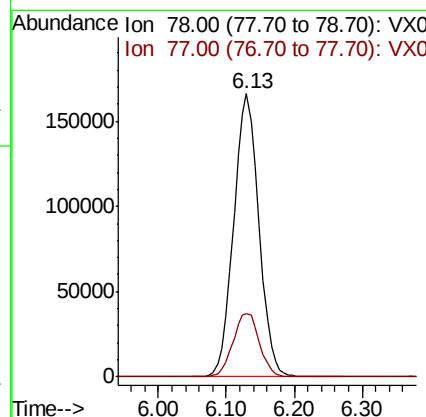
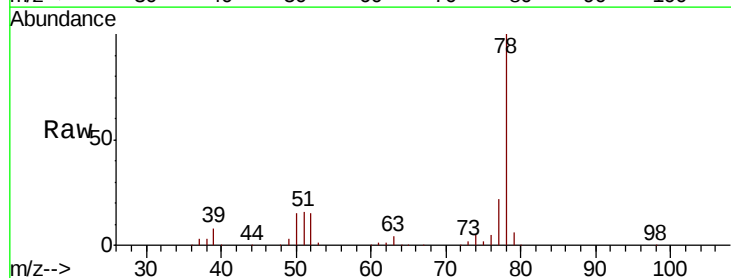
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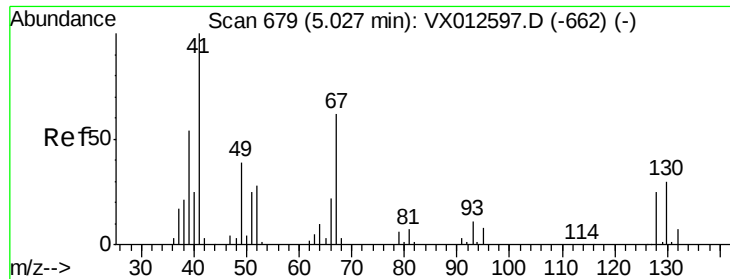
MMDadoda
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#40
Benzene
Concen: 53.521 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.2	28.8





#41

Methacrylonitrile

Concen: 49.786 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 88352
Ion Ratio Lower Upper

41 100

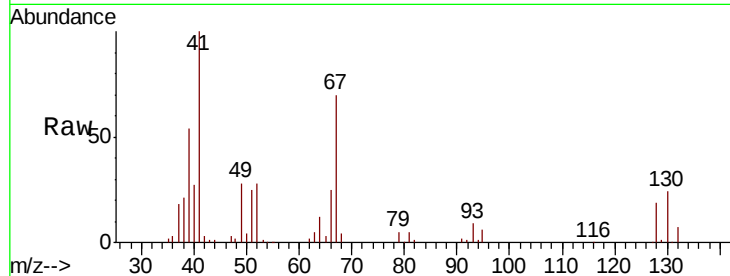
39 53.9 46.0 69.0

67 72.0 52.2 78.2

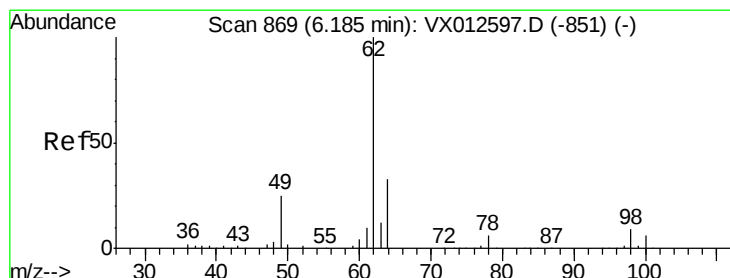
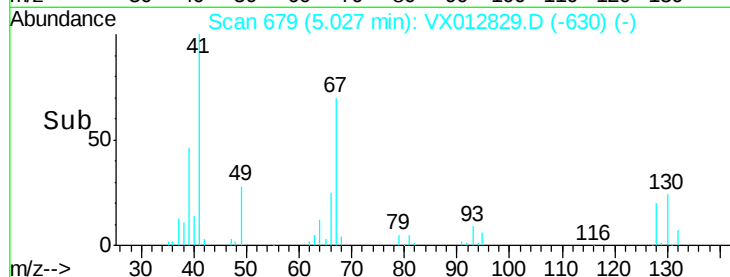
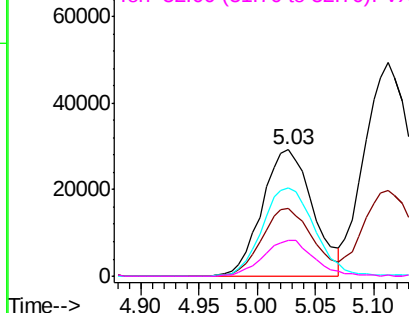
52 28.6 22.7 34.1

Manual Integrations
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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: 51.852 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

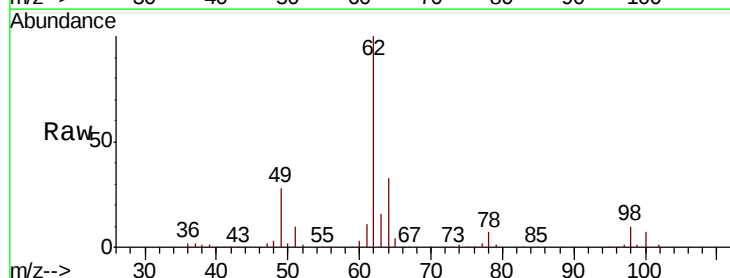
Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

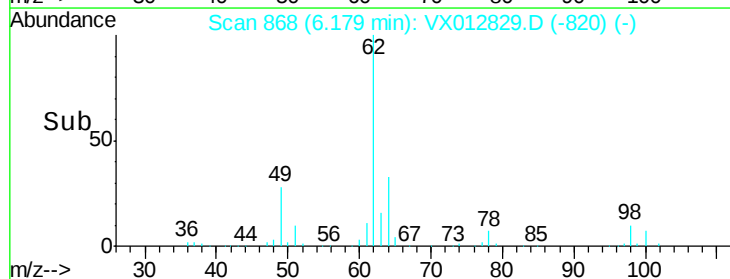
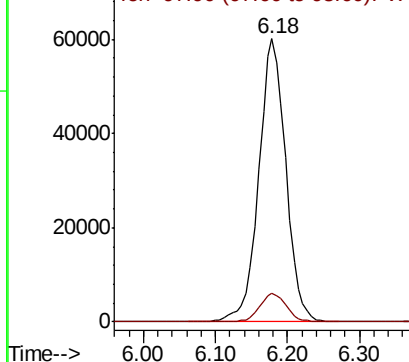
Tgt Ion: 62 Resp: 156738
Ion Ratio Lower Upper

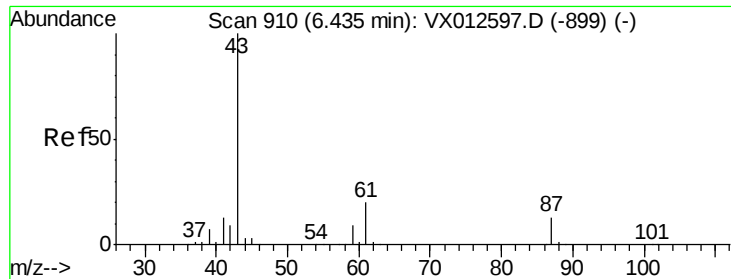
62 100

98 9.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





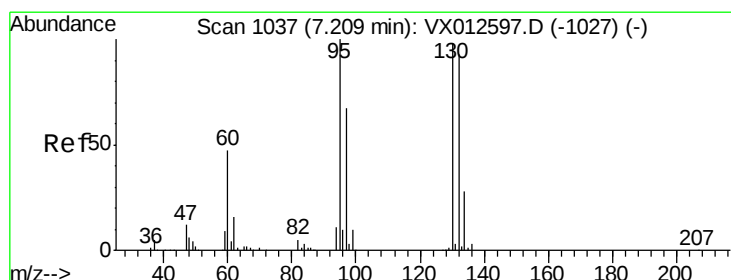
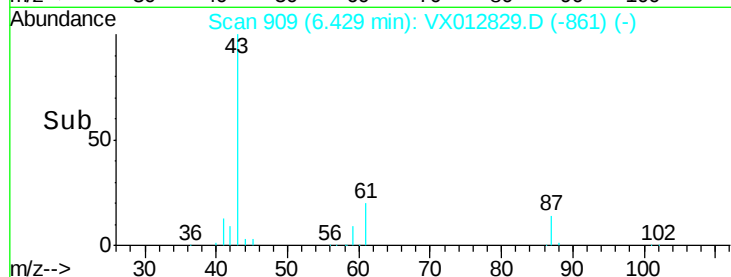
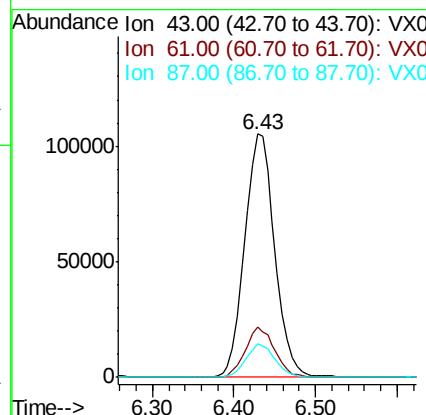
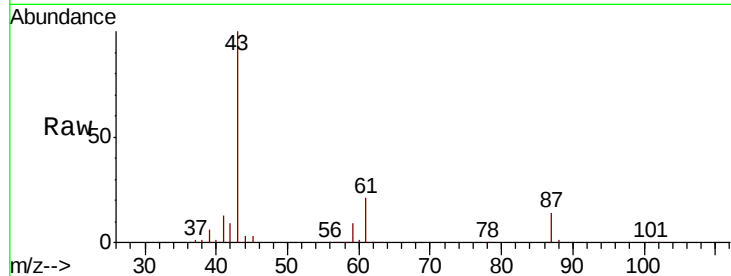
#43
Isopropyl Acetate
Concen: 50.775 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.4	23.0
87	13.5	9.8	14.8

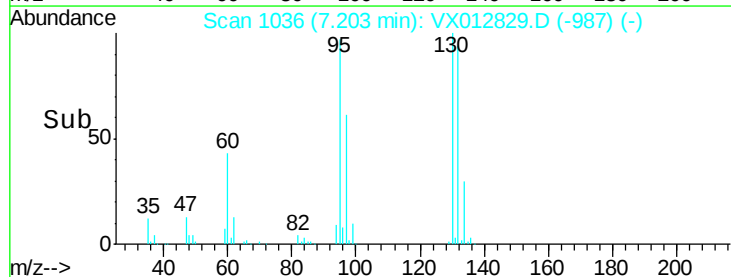
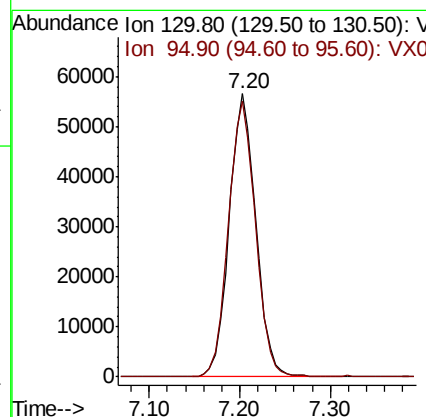
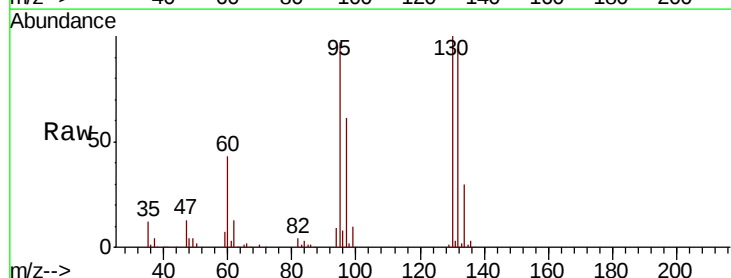
Manual Integrations
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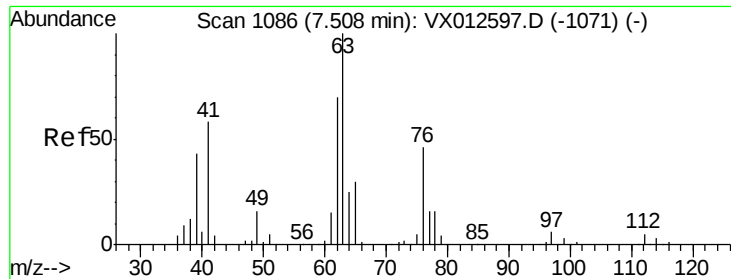
MMDadoda
10/8/2019 1:12:47 PM



#44
Trichloroethene
Concen: 56.679 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	193.0





#45

1,2-Dichloropropane

Concen: 54.503 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 111076

Ion Ratio Lower Upper

63 100

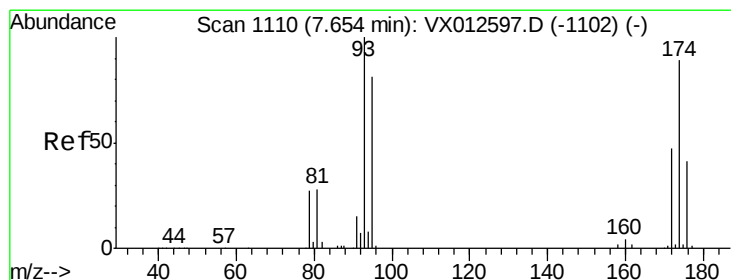
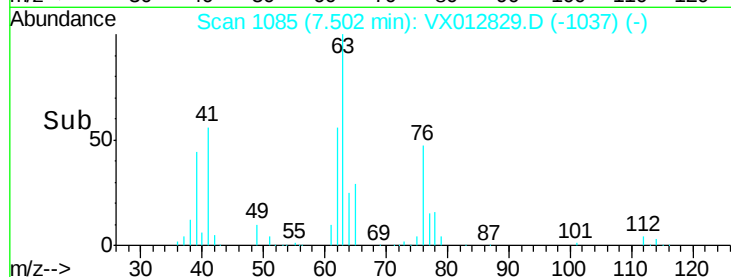
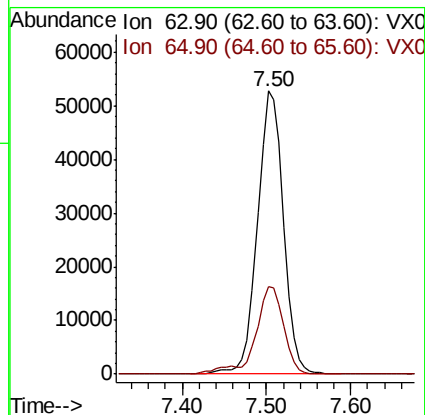
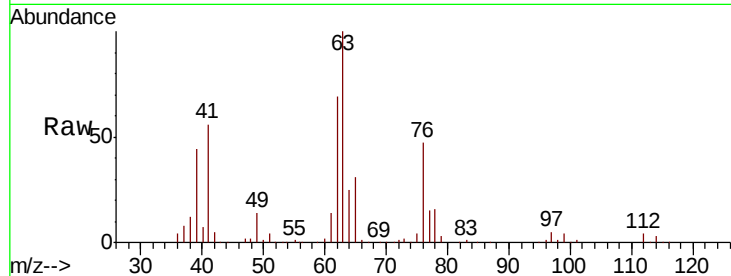
65 30.8 25.0 37.6

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#46

Dibromomethane

Concen: 53.803 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

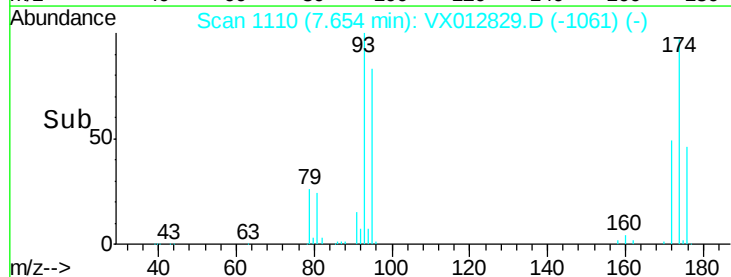
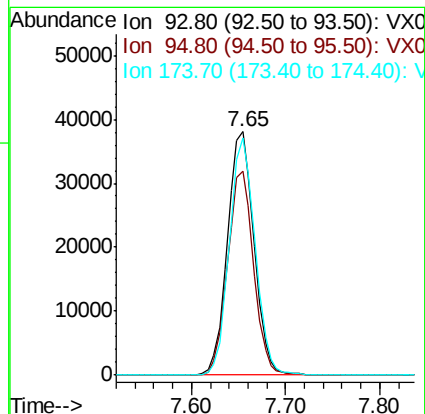
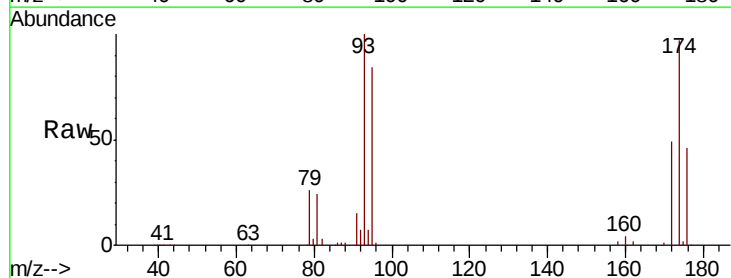
Tgt Ion: 93 Resp: 74656

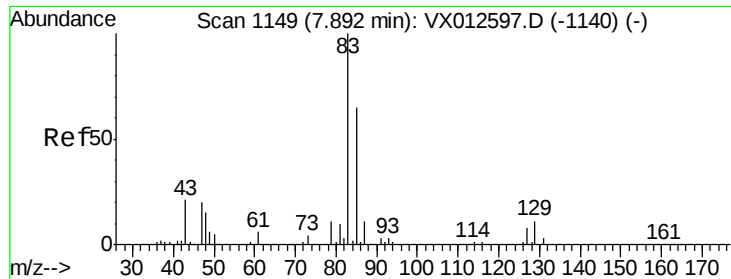
Ion Ratio Lower Upper

93 100

95 82.0 66.6 100.0

174 94.7 77.4 116.0





#47

Bromodichloromethane

Concen: 54.588 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

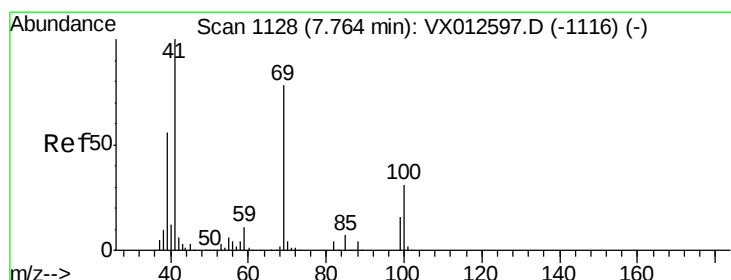
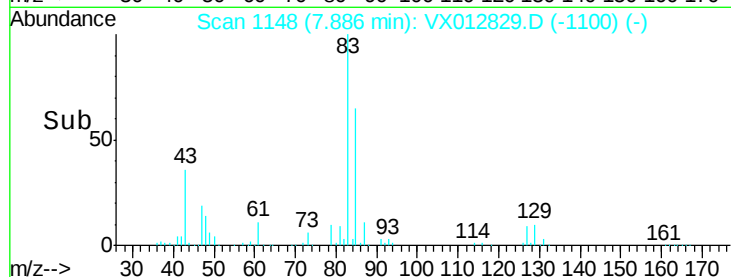
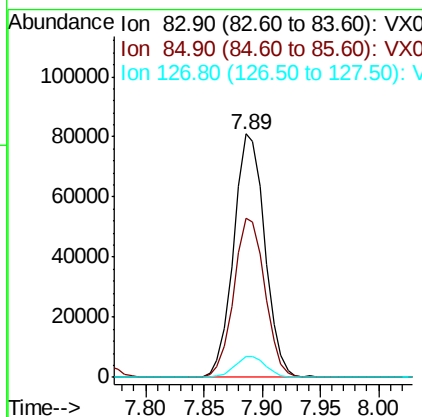
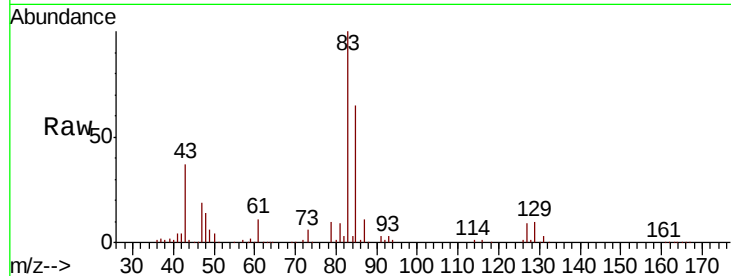
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	151384
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.8	77.6
127	8.6	7.3	10.9

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#48

Methyl methacrylate

Concen: 50.946 ug/l

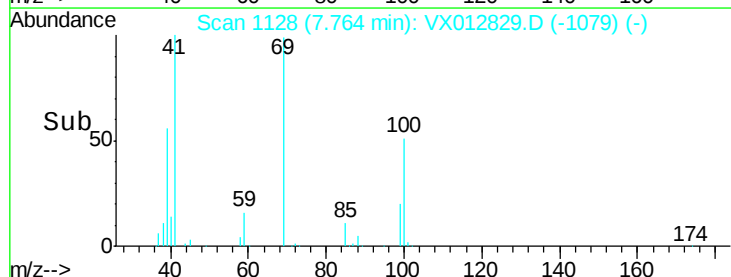
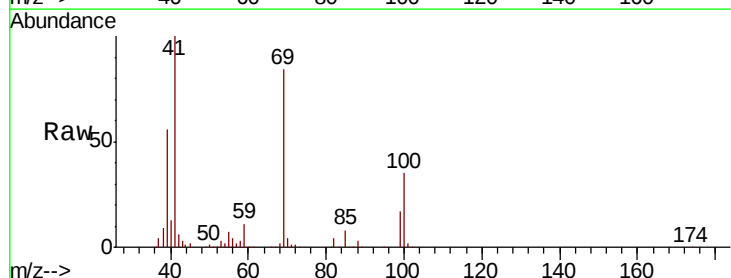
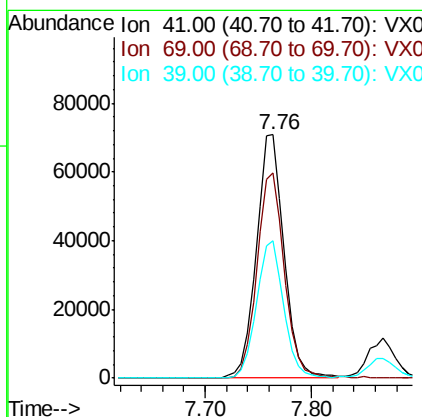
RT: 7.76 min Scan# 1128

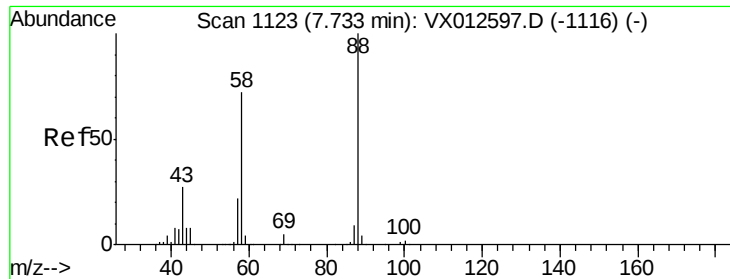
Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Tgt Ion:	41	Resp:	129211
Ion Ratio	Lower	Upper	
41	100		
69	83.8	59.9	89.9
39	55.5	47.8	71.6





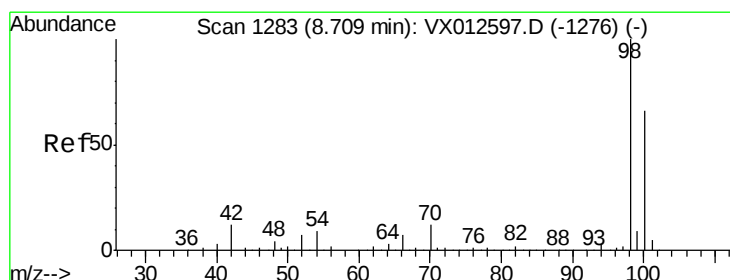
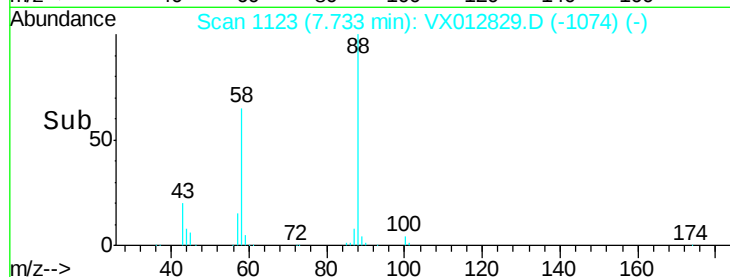
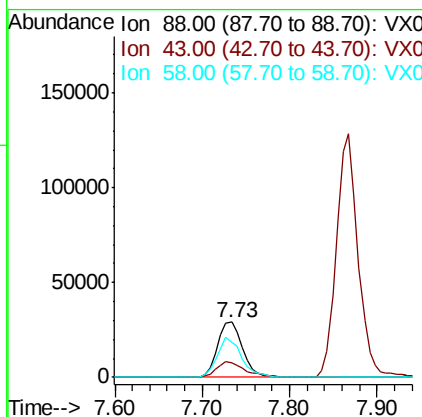
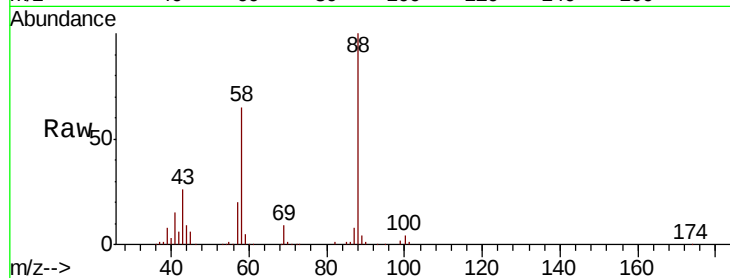
#49
1,4-Dioxane
Concen: 1002.145 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	29.4	44.0
58	70.6	57.5	86.3

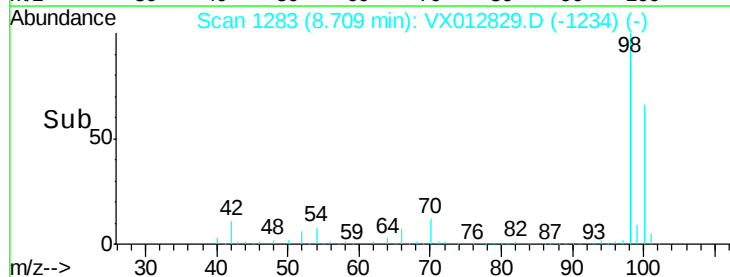
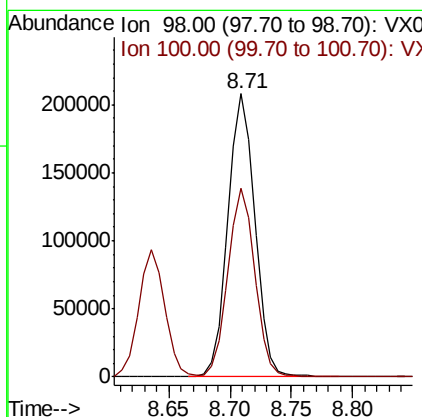
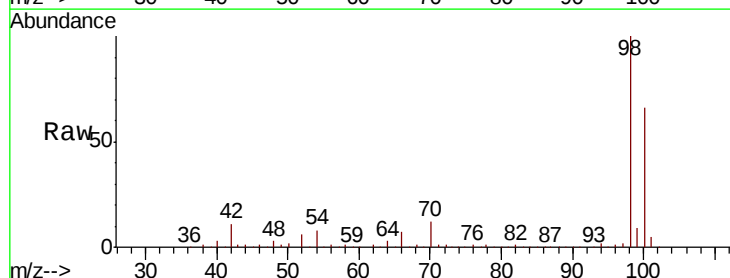
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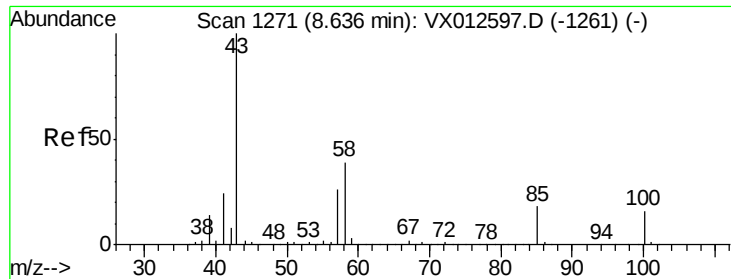
MMDadoda
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#50
Toluene-d8
Concen: 49.510 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 249.199 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 813650

Ion Ratio Lower Upper

43 100

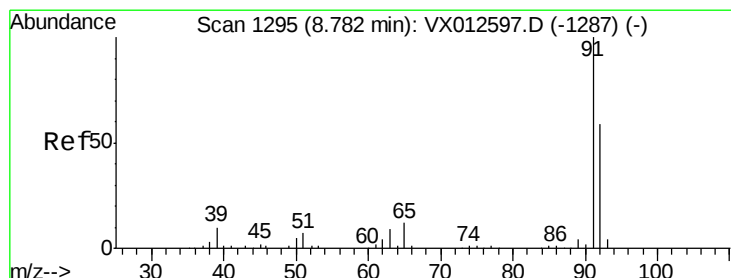
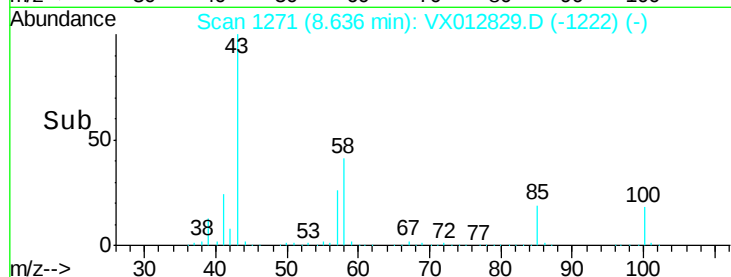
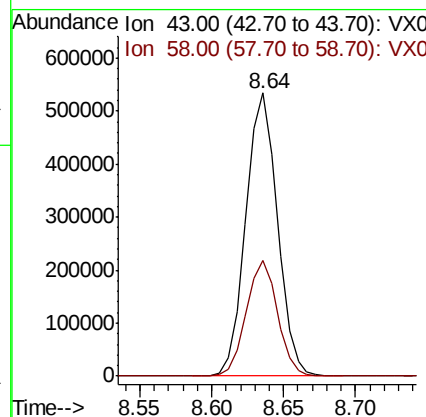
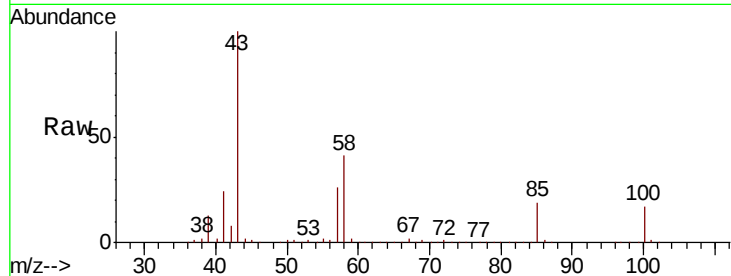
58 40.2 29.8 44.6

Manual Integrations

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#52

Toluene

Concen: 54.616 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012829.D

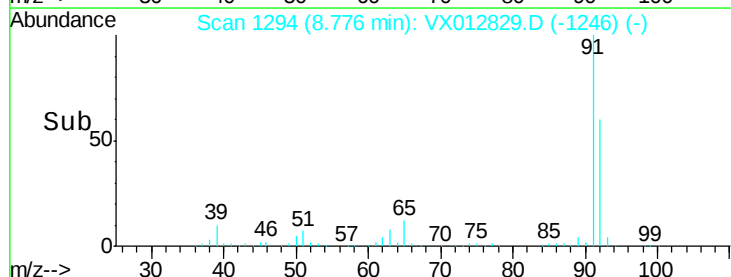
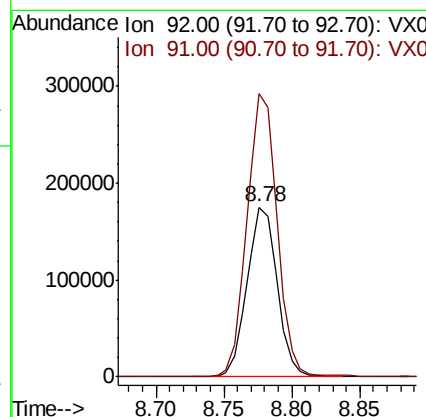
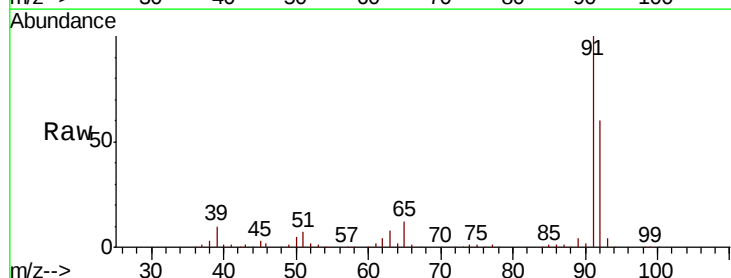
Acq: 07 Oct 2019 11:18

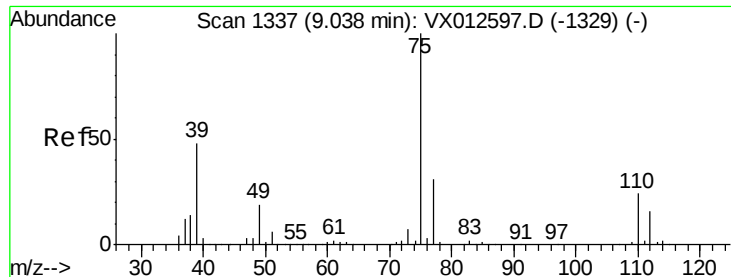
Tgt Ion: 92 Resp: 273247

Ion Ratio Lower Upper

92 100

91 168.1 135.4 203.0





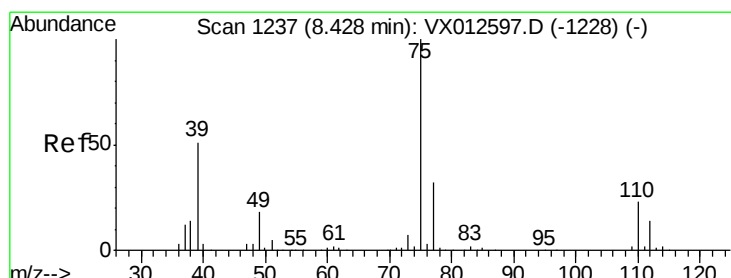
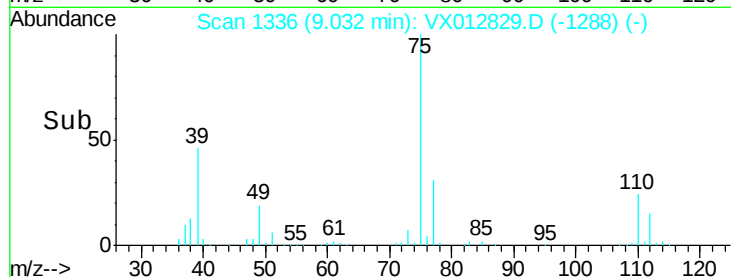
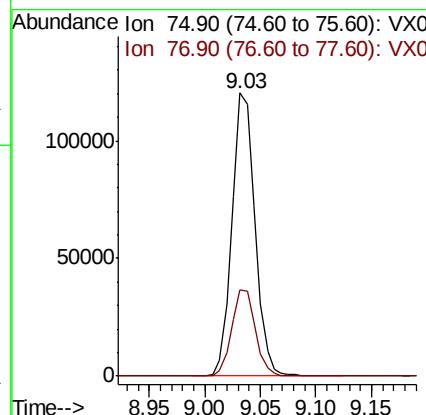
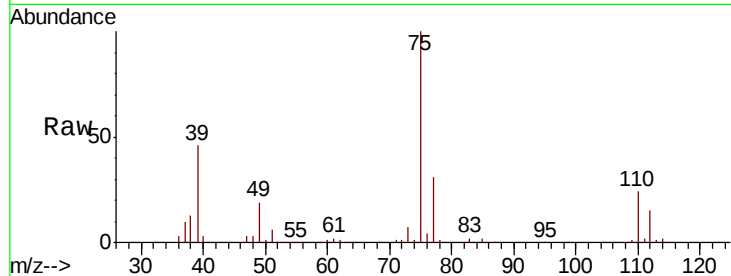
#53
t-1,3-Dichloropropene
Concen: 56.234 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 172545
Ion Ratio Lower Upper
75 100
77 30.5 25.2 37.8

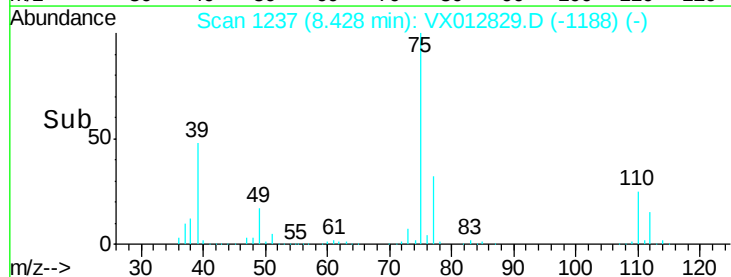
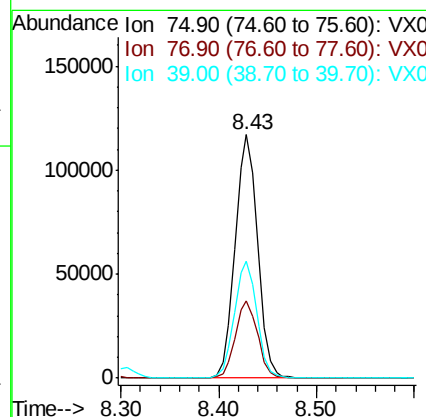
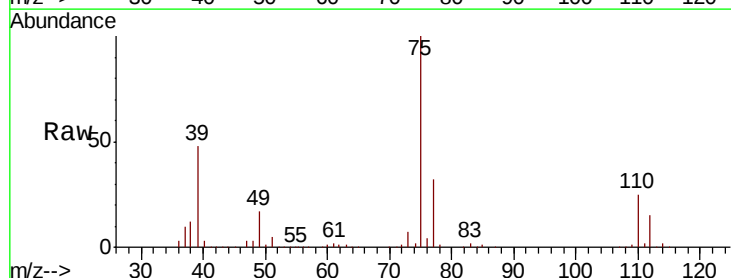
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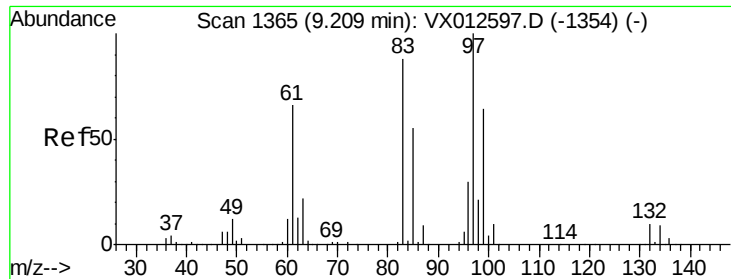
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.555 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion: 75 Resp: 186117
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 48.0 45.5 68.3





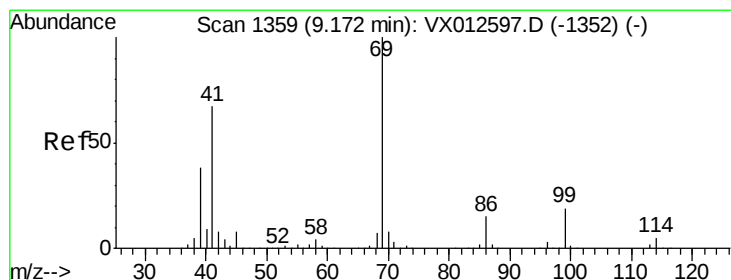
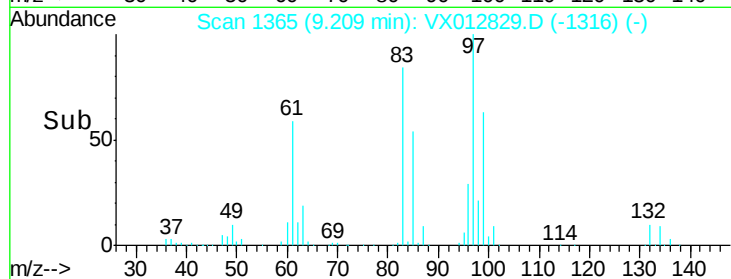
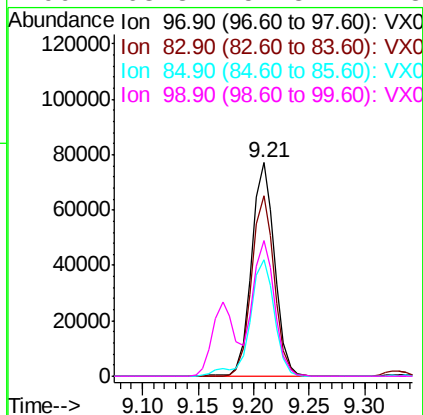
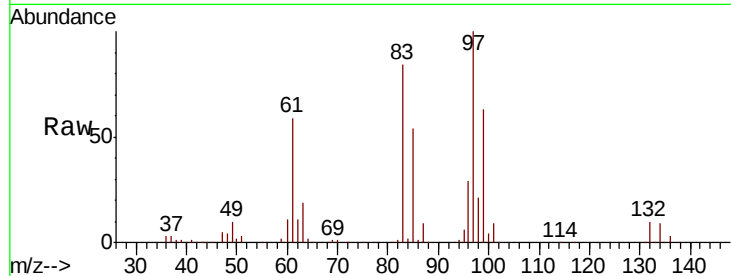
#55
 1,1,2-Trichloroethane
 Concen: 55.947 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	111282
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.4	101.2
85	54.4	43.5	65.3
99	63.3	51.8	77.8

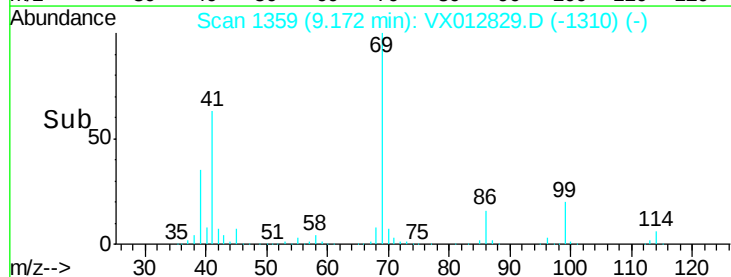
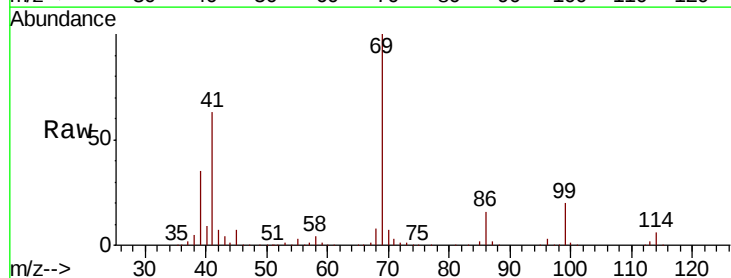
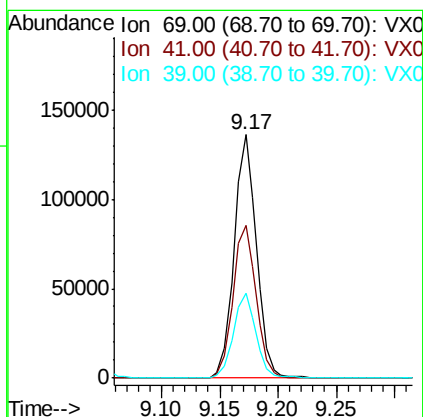
Manual Integrations
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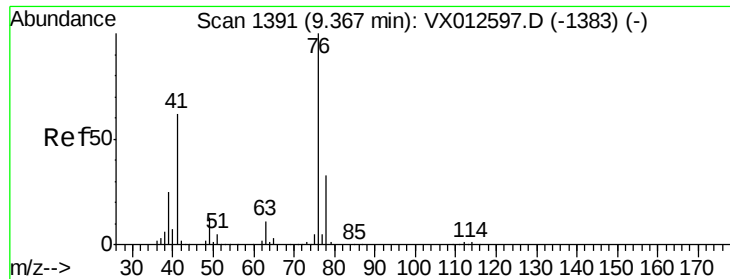
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#56
 Ethyl methacrylate
 Concen: 54.467 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion:	69	Resp:	182009
Ion	Ratio	Lower	Upper
69	100		
41	65.4	58.4	87.6
39	35.1	33.4	50.0





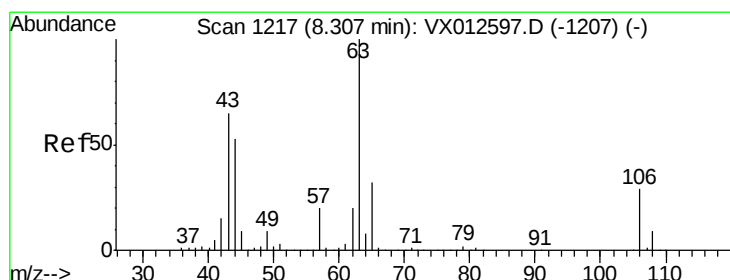
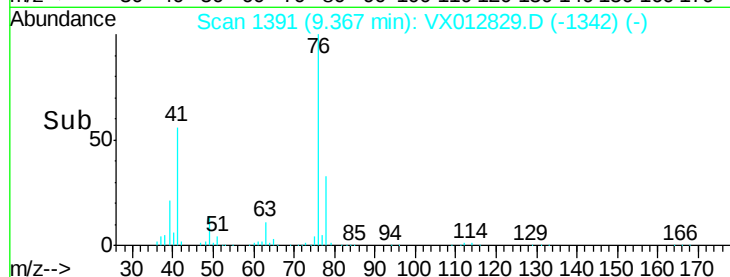
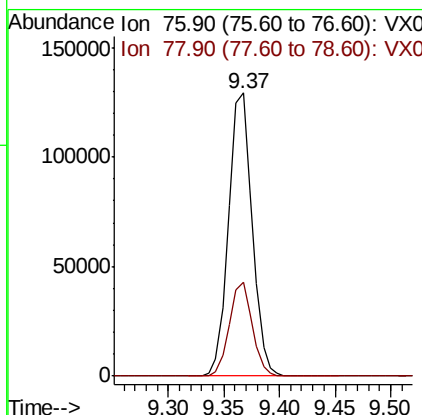
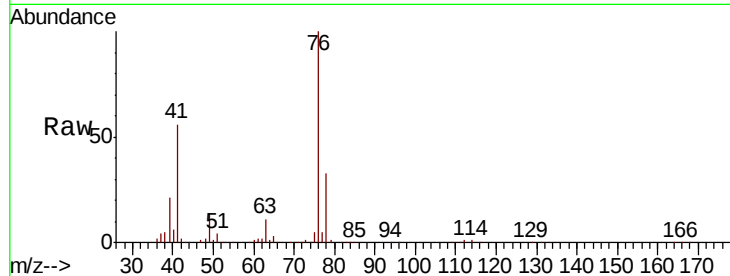
#57
 1,3-Dichloropropane
 Concen: 54.500 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 189723
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2

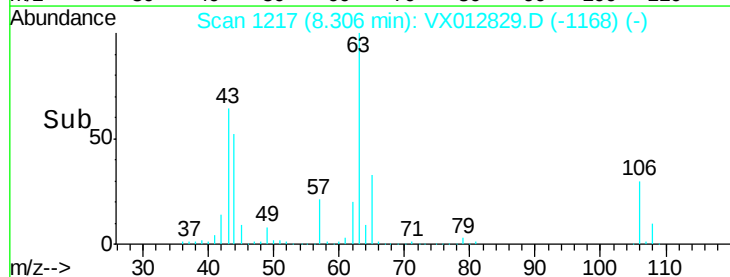
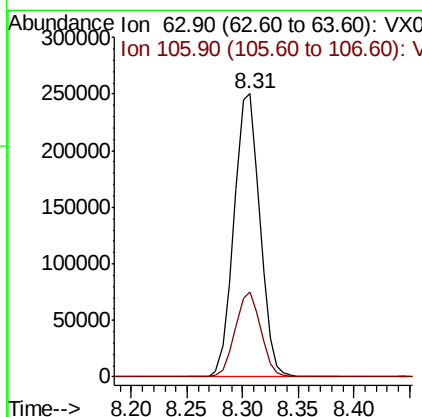
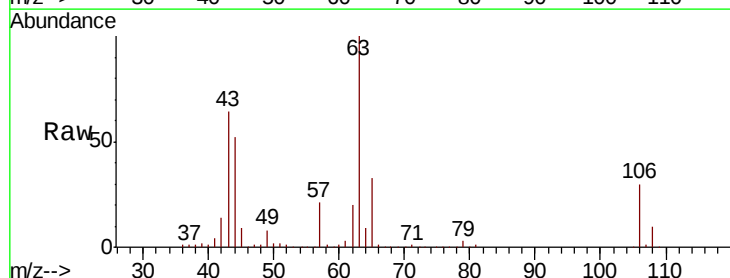
Manual Integrations
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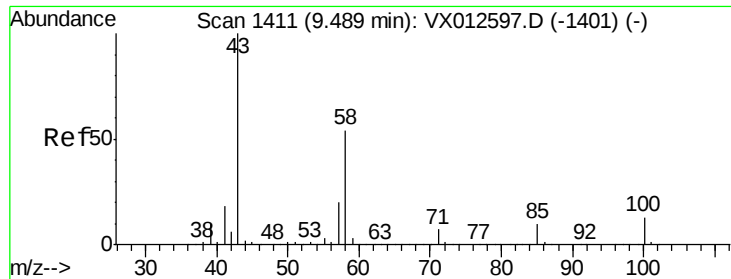
MMDadoda
 10/8/2019 1:12:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.086 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion: 63 Resp: 403620
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.8 35.6





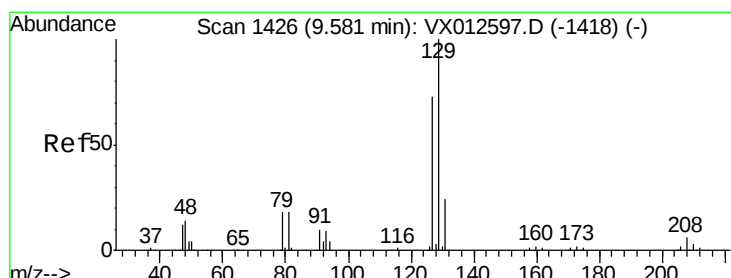
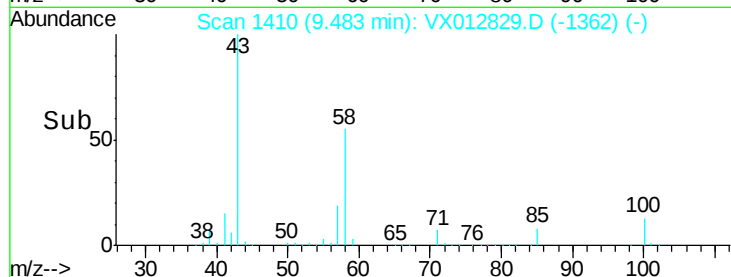
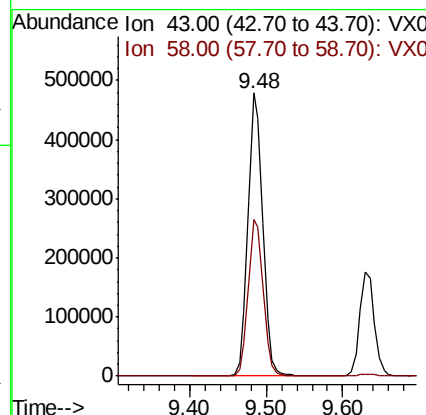
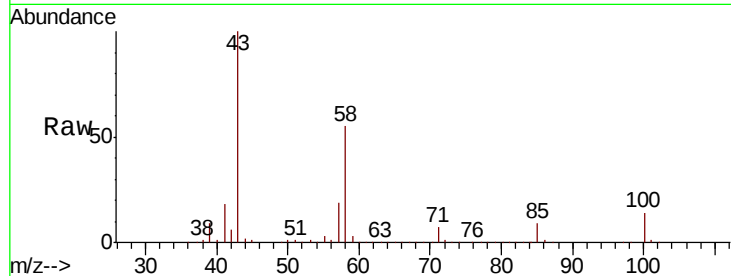
#59
 2-Hexanone
 Concen: 257.776 ug/l
 RT: 9.48 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 644236
 Ion Ratio Lower Upper
 43 100
 58 56.1 25.7 77.1

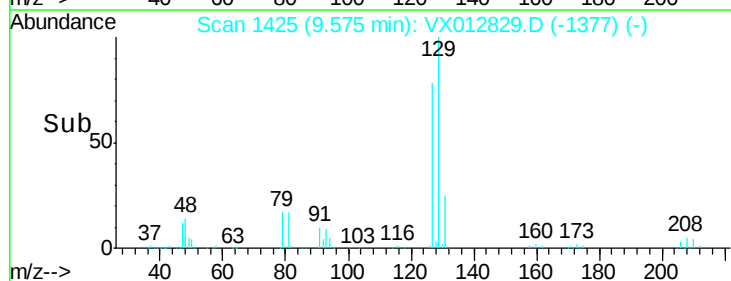
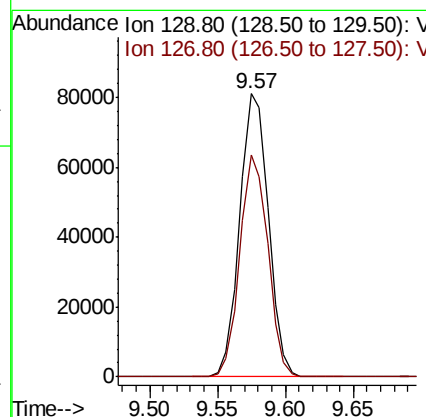
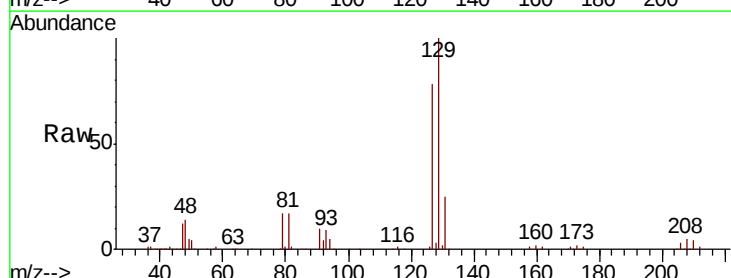
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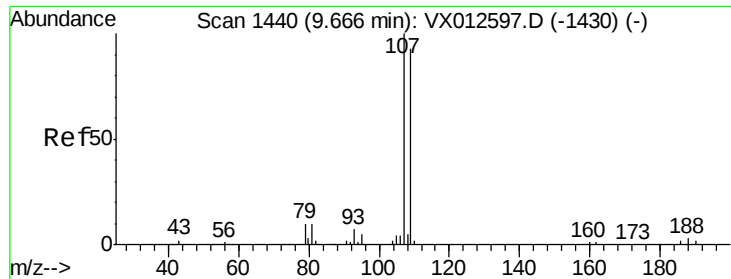
MMDadoda
 10/8/2019 1:12:47 PM



#60
 Dibromochloromethane
 Concen: 59.296 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion: 129 Resp: 119392
 Ion Ratio Lower Upper
 129 100
 127 76.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 56.106 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 116143

Ion Ratio Lower Upper

107 100

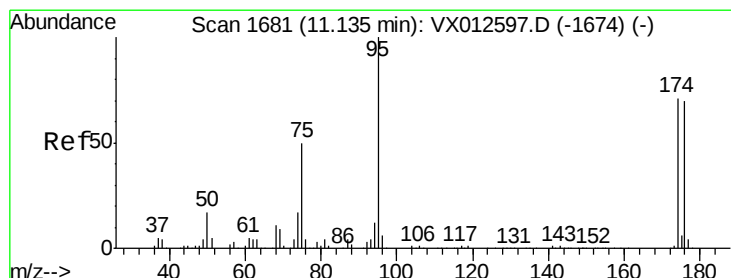
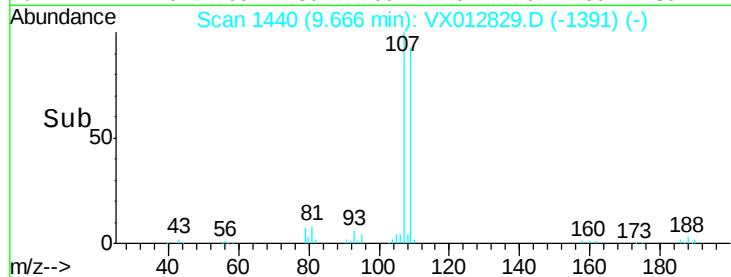
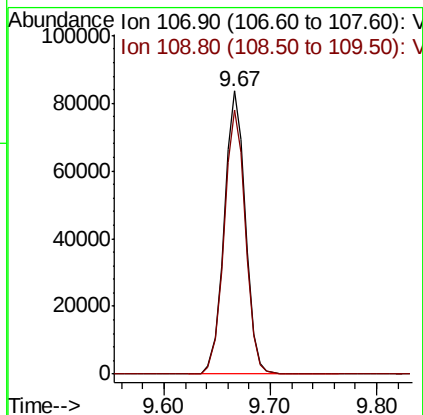
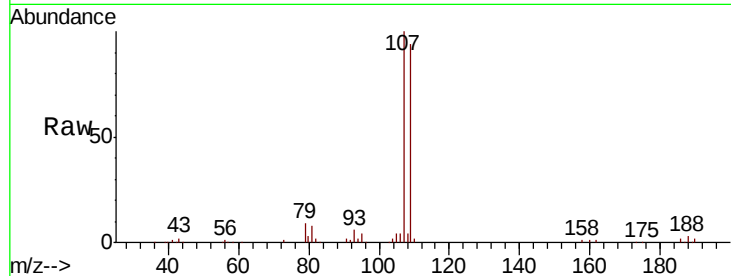
109 94.5 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 50.149 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

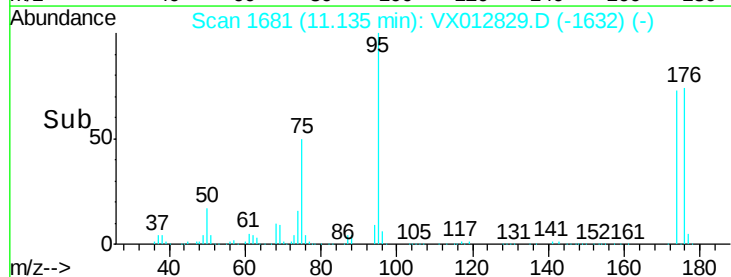
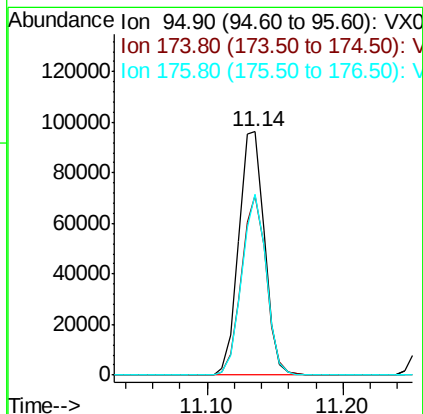
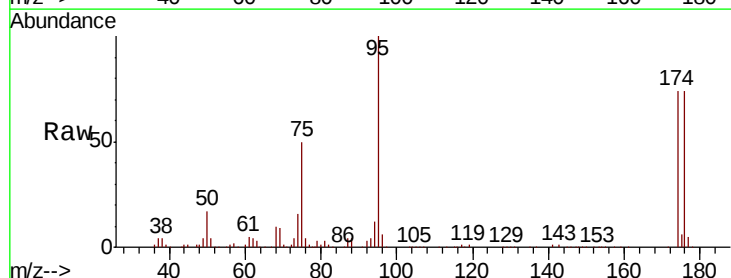
Tgt Ion: 95 Resp: 126934

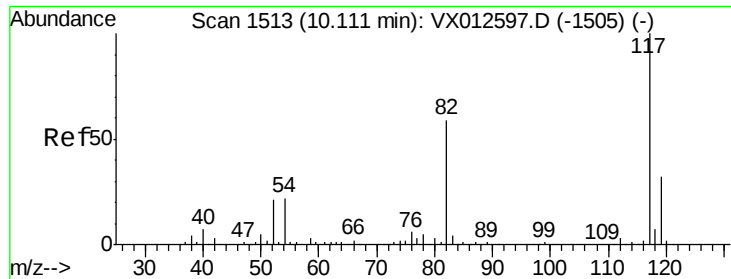
Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.0

176 70.5 0.0 135.4





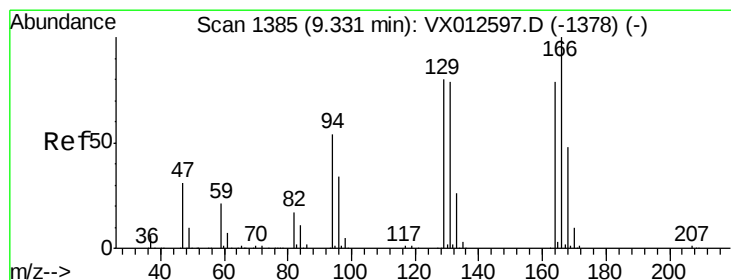
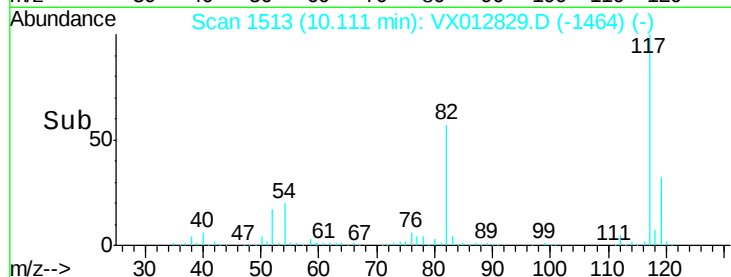
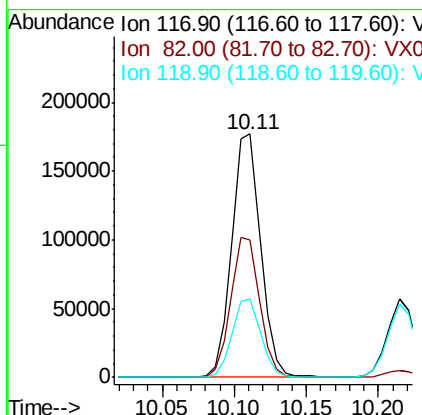
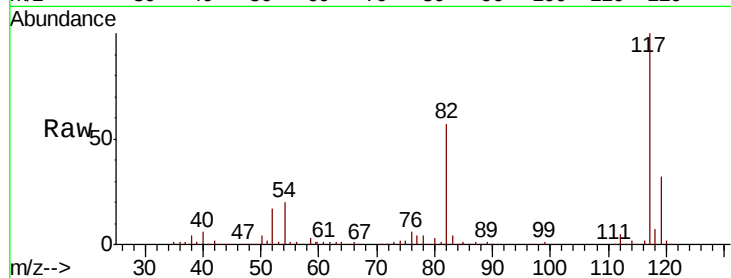
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.9	68.9
119	32.5	25.3	37.9

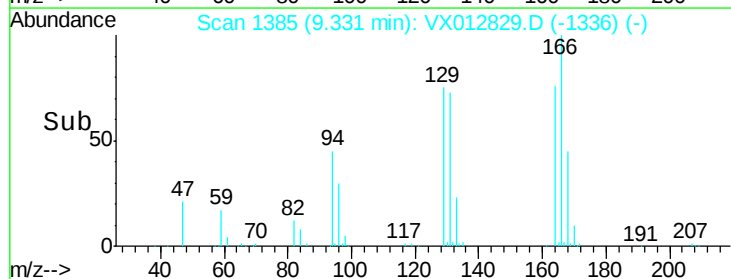
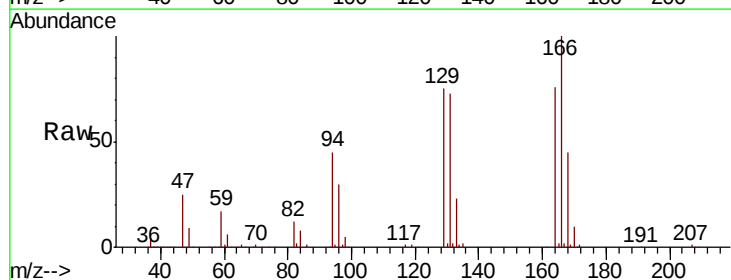
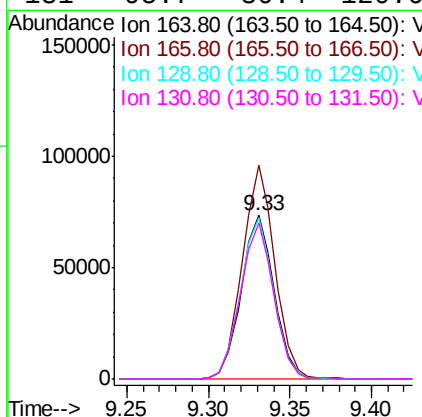
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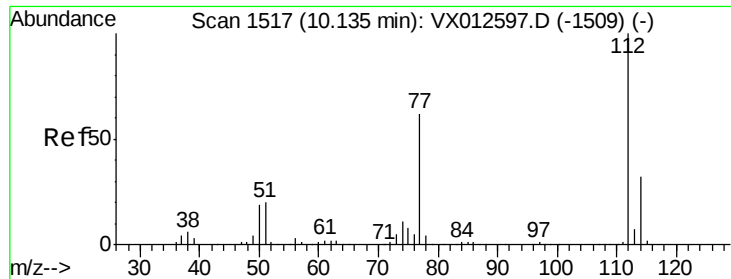
MMDadoda
10/8/2019 1:12:47 PM



#64
Tetrachloroethene
Concen: 58.774 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	107.8	161.6
129	98.5	86.2	129.2
131	95.7	80.4	120.6





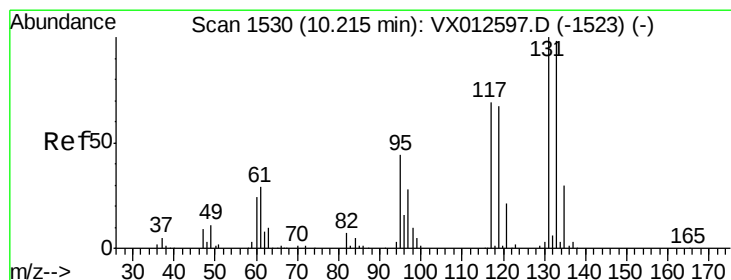
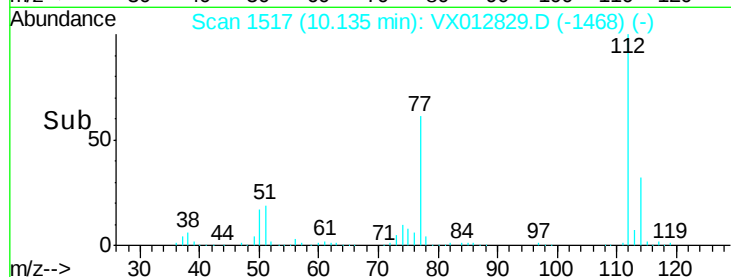
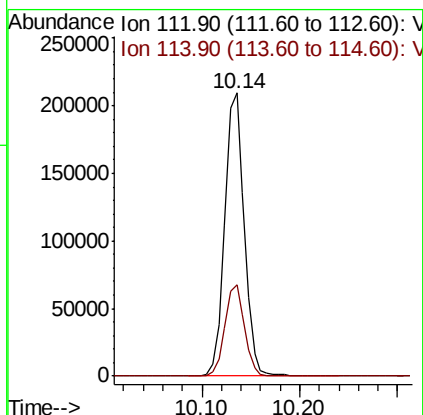
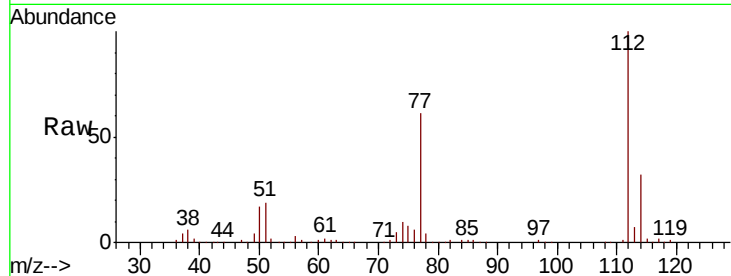
#65
Chlorobenzene
Concen: 54.718 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 289215
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

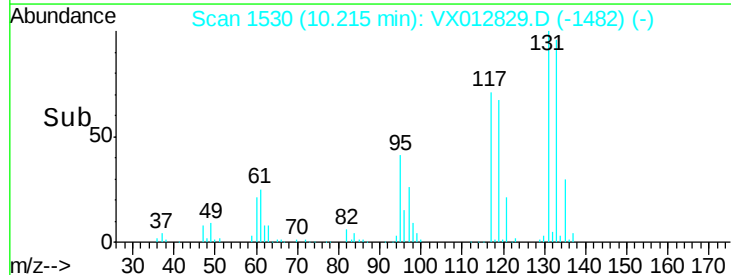
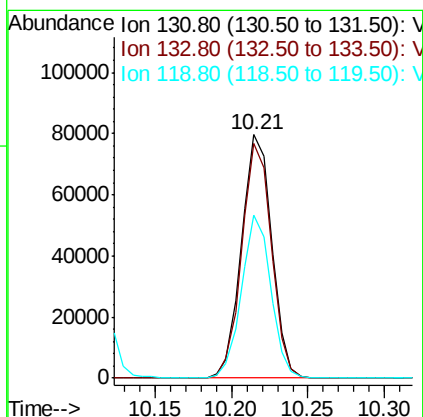
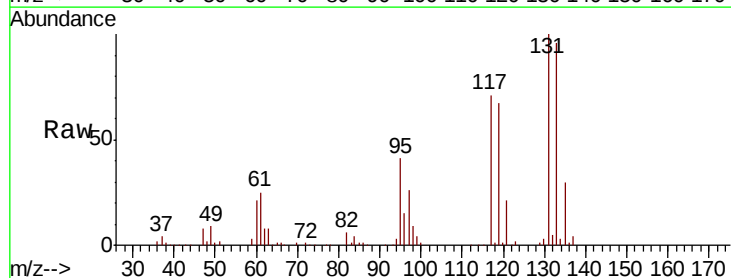
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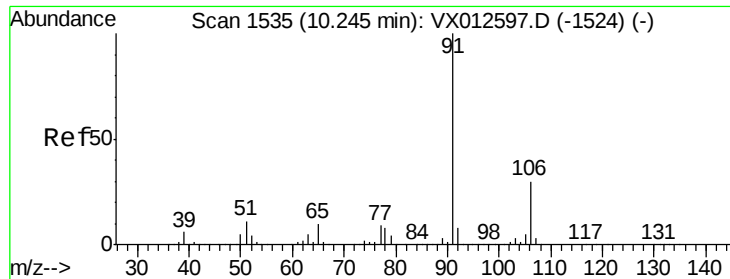
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.176 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion:131 Resp: 109497
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.9
119 64.6 31.3 93.8





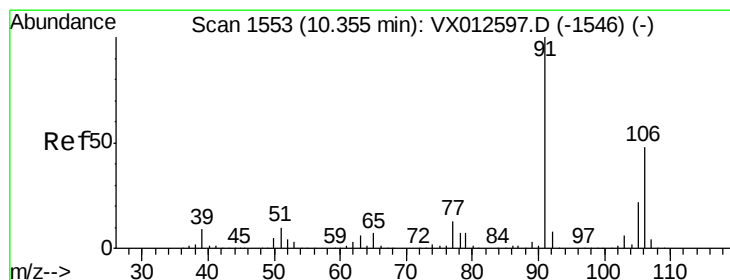
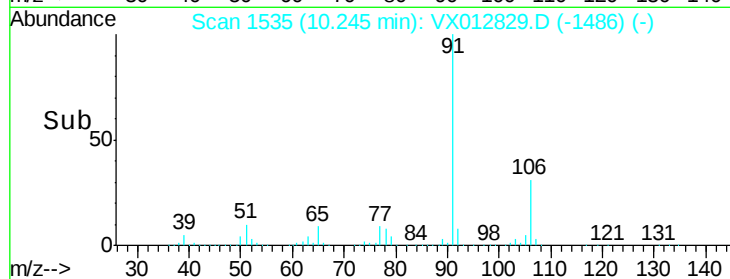
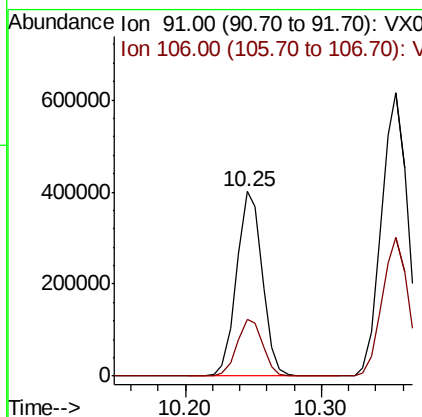
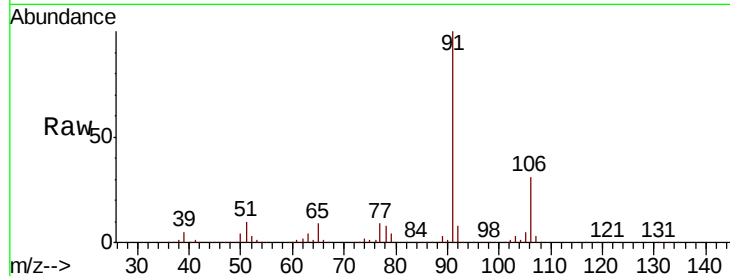
#67
Ethyl Benzene
Concen: 55.232 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 529490
Ion Ratio Lower Upper
91 100
106 30.6 24.6 37.0

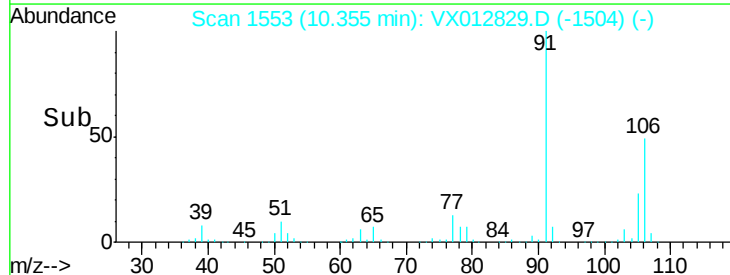
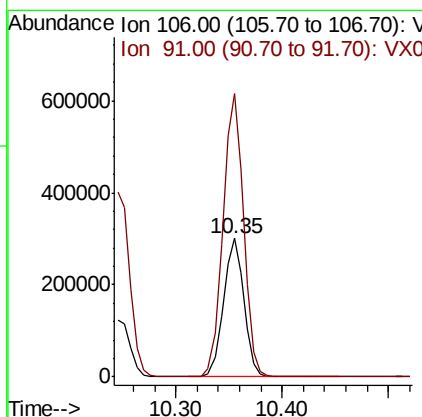
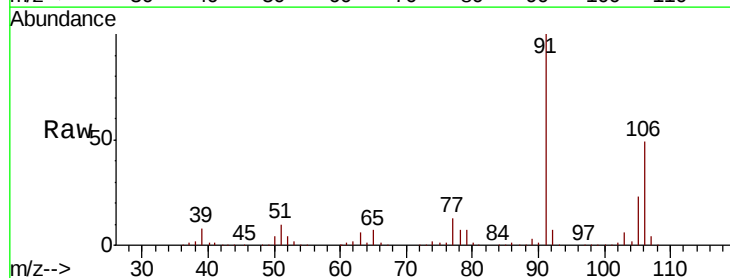
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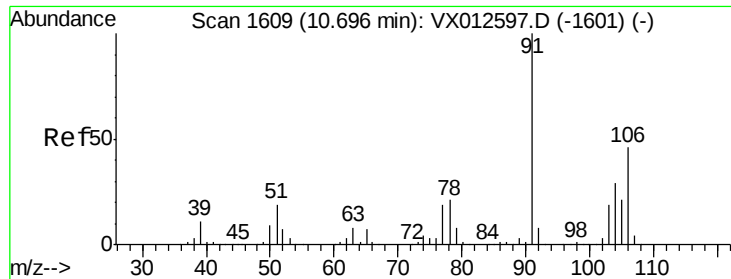
MMDadoda
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#68
m/p-Xylenes
Concen: 111.786 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion: 106 Resp: 401442
Ion Ratio Lower Upper
106 100
91 207.0 166.6 250.0





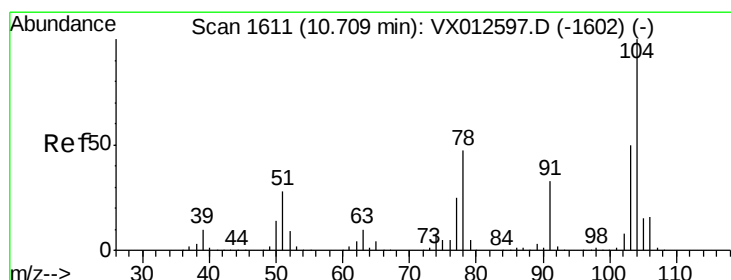
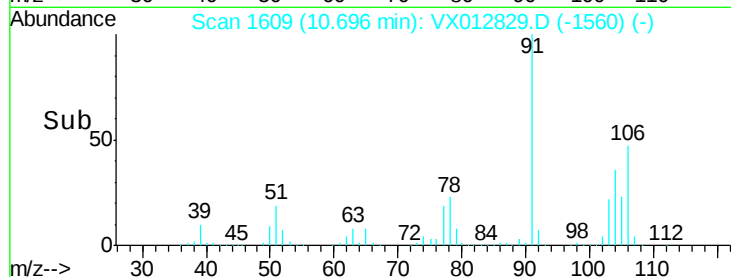
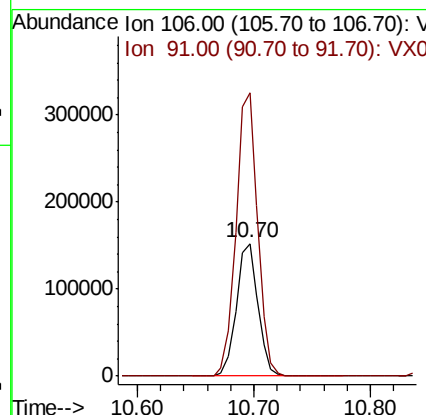
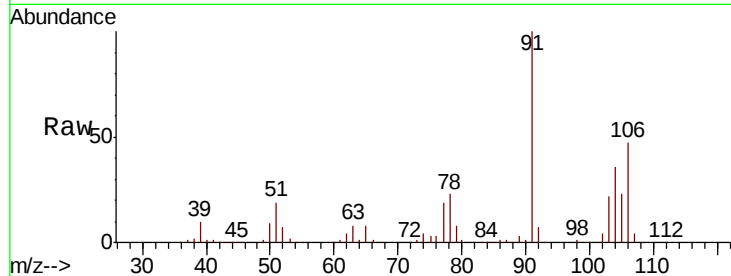
#69
o-Xylene
Concen: 56.375 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 195898
Ion Ratio Lower Upper
106 100
91 214.9 109.4 328.2

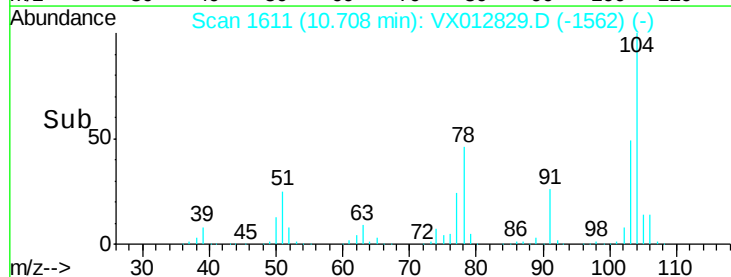
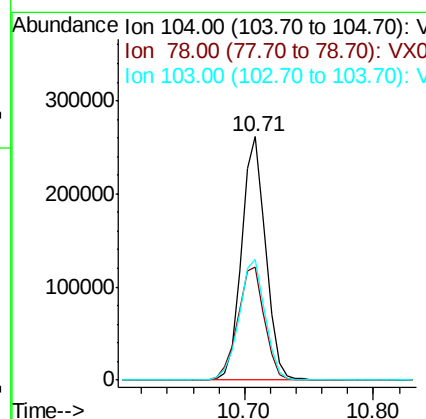
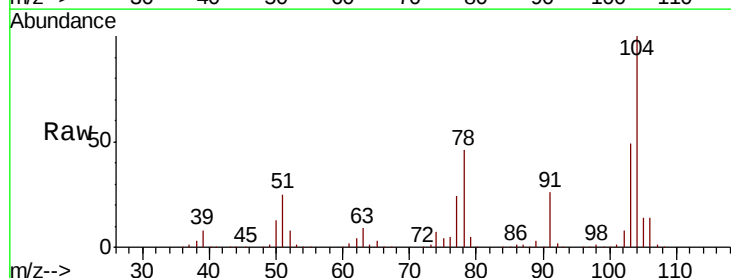
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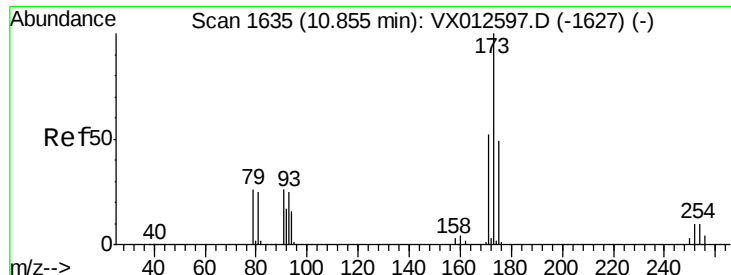
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#70
Styrene
Concen: 58.018 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion:104 Resp: 337974
Ion Ratio Lower Upper
104 100
78 52.1 43.4 65.2
103 54.0 43.3 64.9





#71

Bromoform

Concen: 61.769 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82368

Ion Ratio Lower Upper

173 100

175 47.9 23.7 71.1

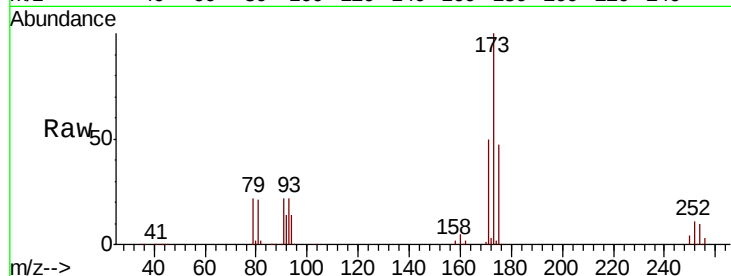
254 0.2 0.1 0.1#

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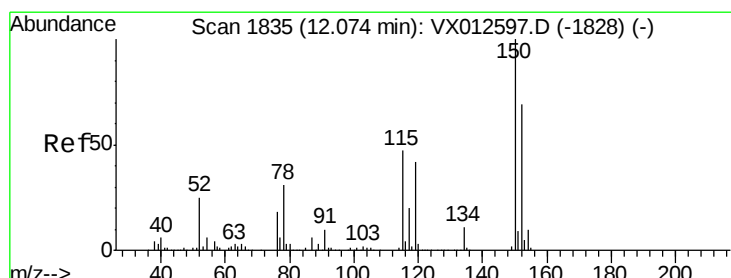
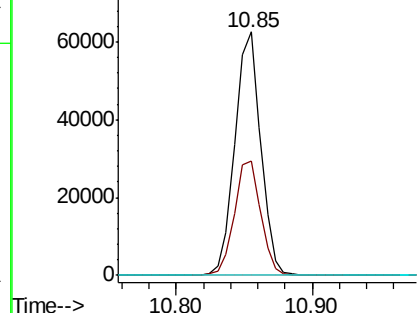
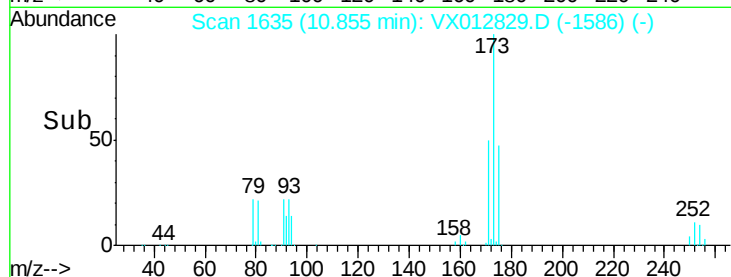
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

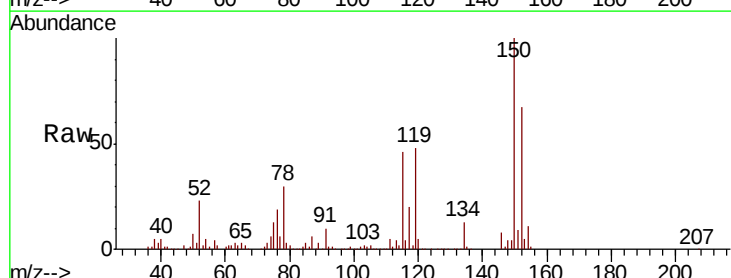
Tgt Ion:152 Resp: 121398

Ion Ratio Lower Upper

152 100

115 91.7 44.1 132.3

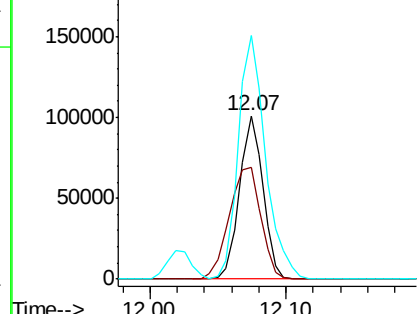
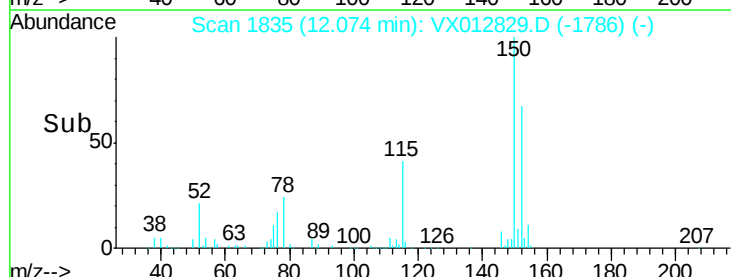
150 172.9 0.0 343.8

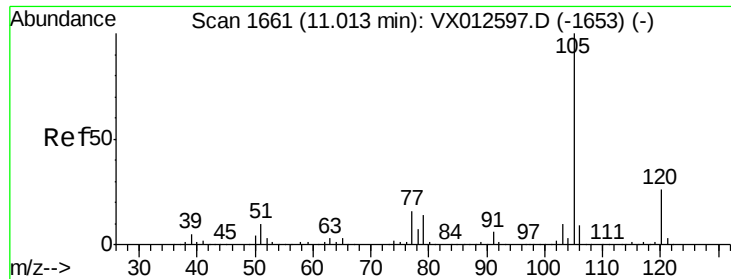


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.695 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 521022

Ion Ratio Lower Upper

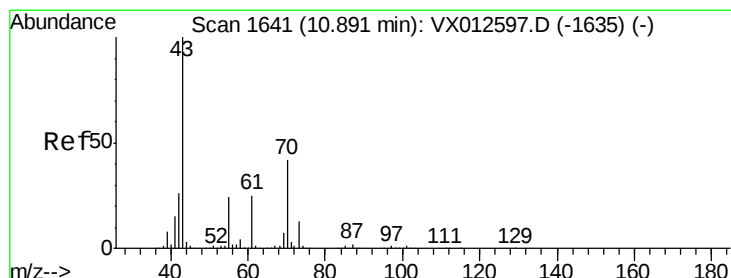
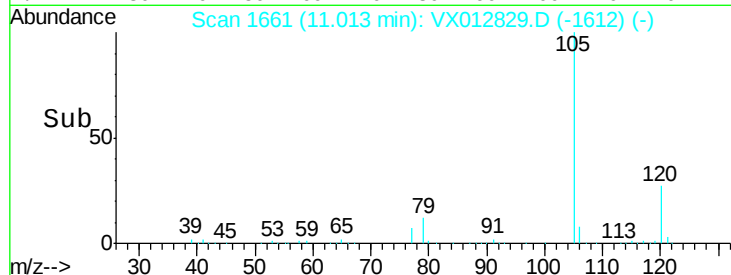
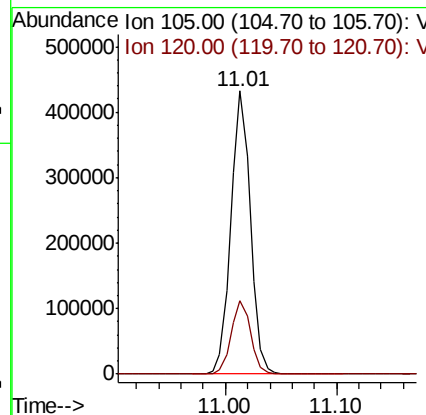
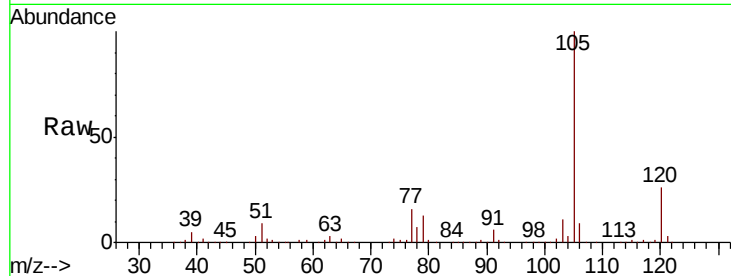
105 100

120 26.2 12.9 38.7

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#74

N-ethyl acetate

Concen: 50.905 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Tgt Ion: 43 Resp: 240121

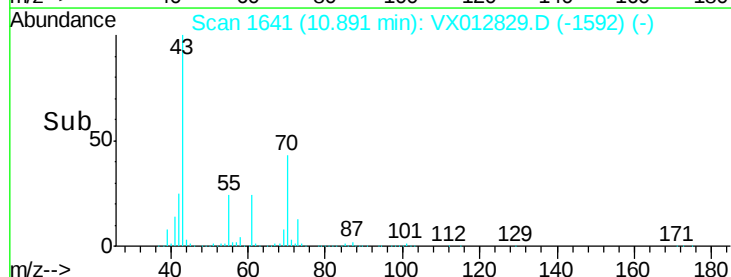
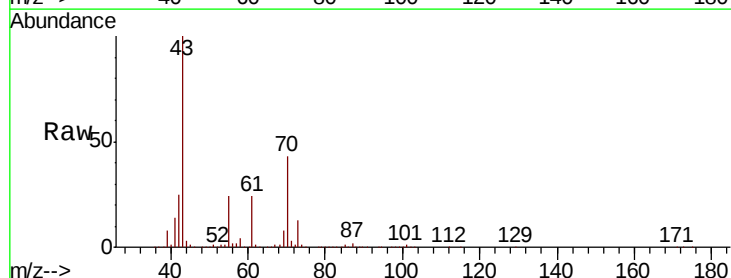
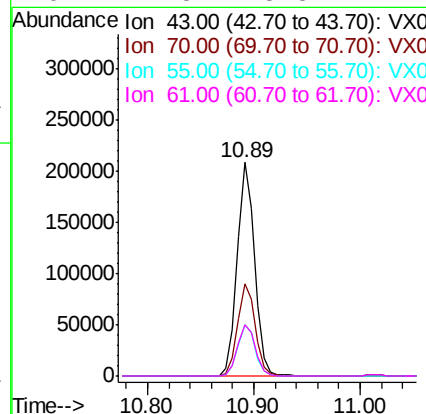
Ion Ratio Lower Upper

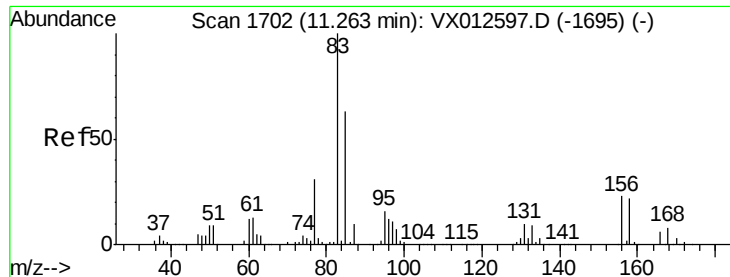
43 100

70 43.9 32.4 48.6

55 24.2 18.2 27.4

61 24.8 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.621 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

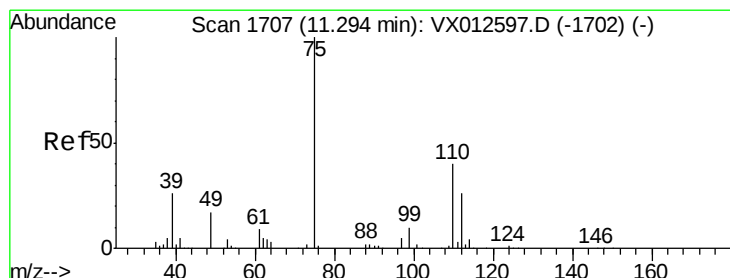
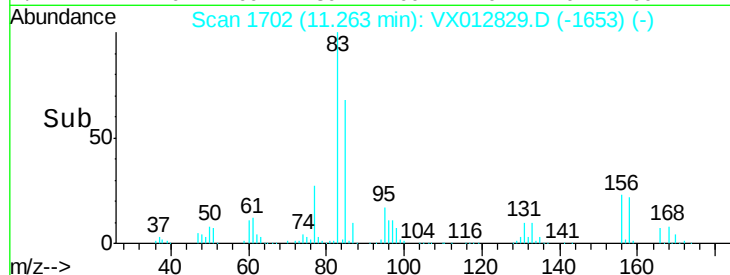
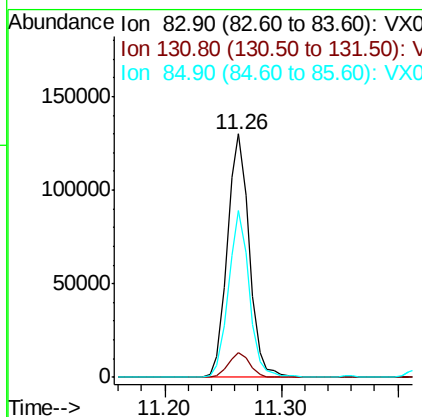
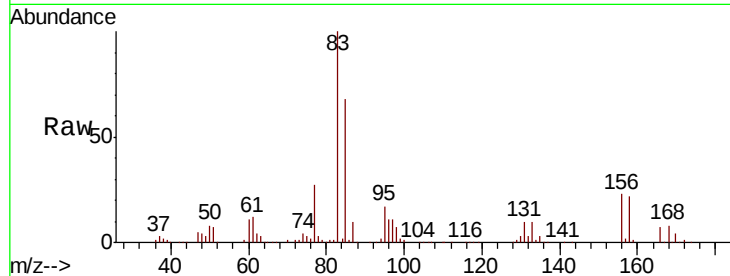
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	169039
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	65.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.110 ug/l m

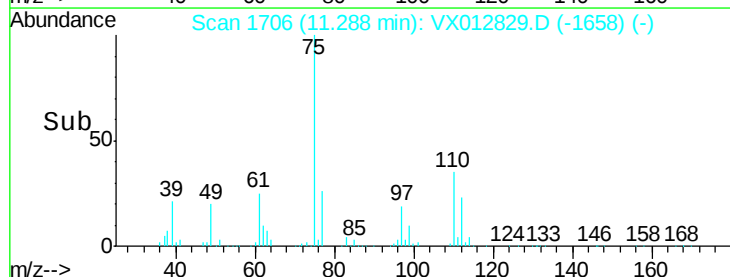
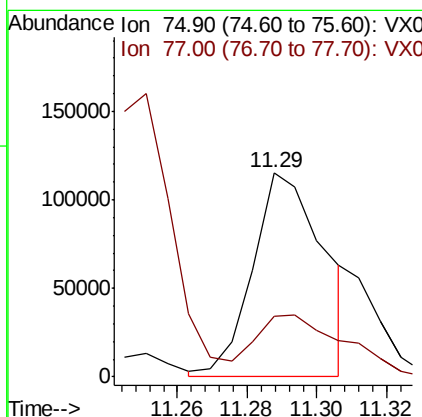
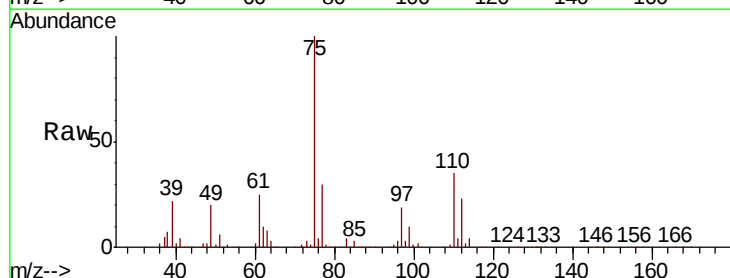
RT: 11.29 min Scan# 1706

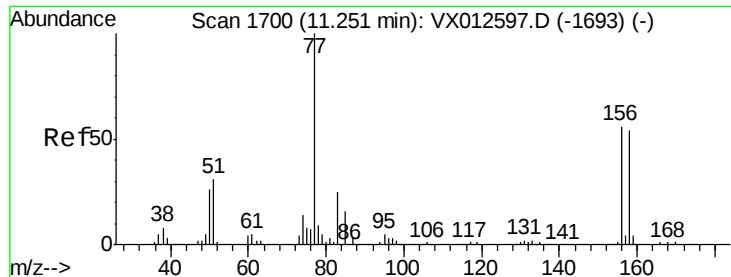
Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Tgt Ion:	75	Resp:	164129
Ion Ratio	Lower	Upper	
75	100		
77	37.7	19.7	59.0





#77

Bromobenzene

Concen: 54.266 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

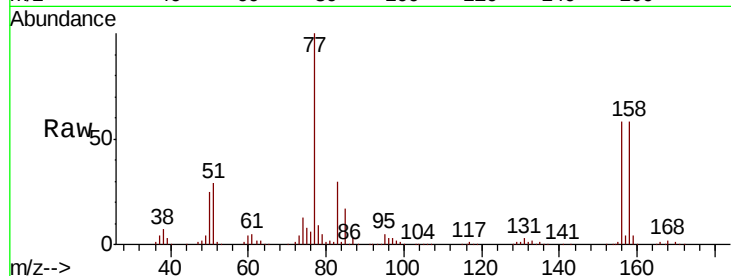
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		121436		
77	172.9	87.3	261.8		
158	96.4	48.5	145.6		

Manual Integrations
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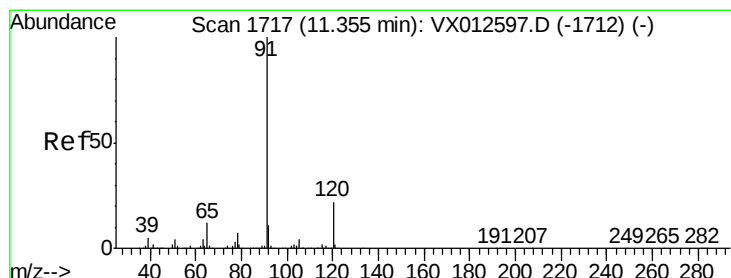
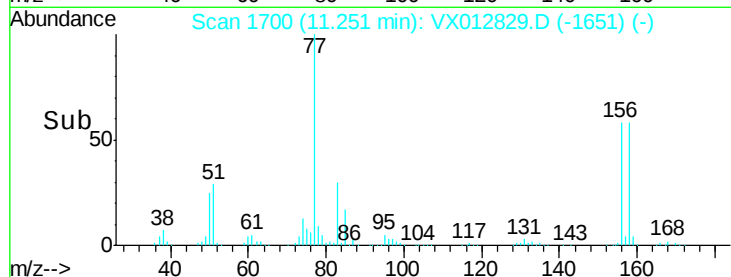
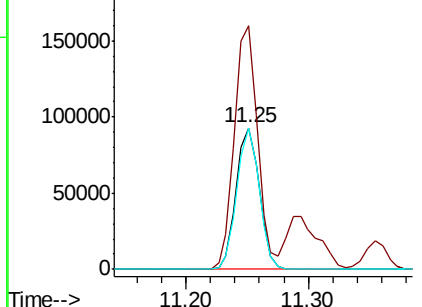
MMDadoda
10/8/2019 1:12:47 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.791 ug/l

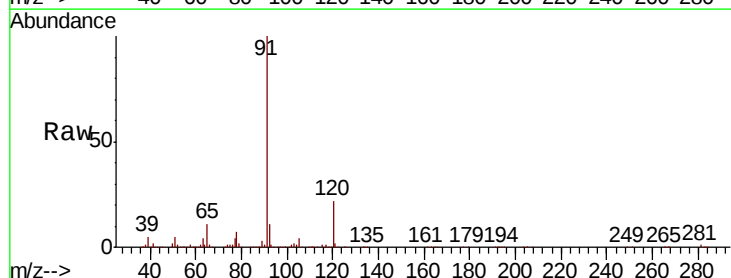
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012829.D

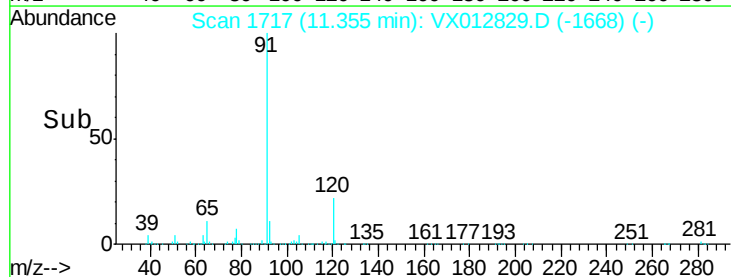
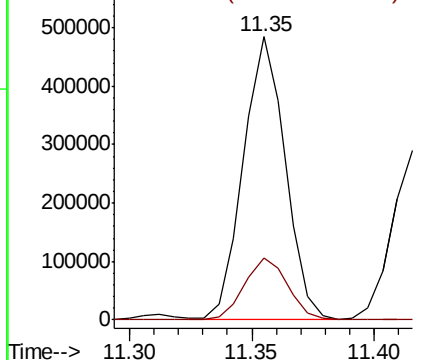
Acq: 07 Oct 2019 11:18

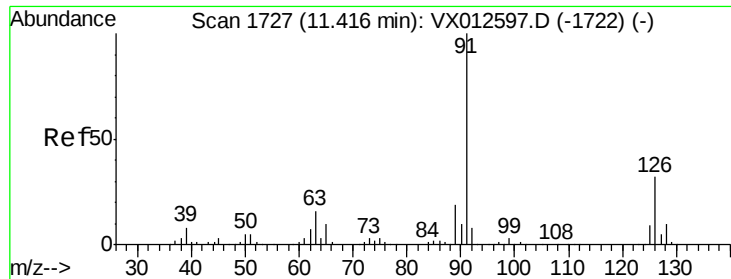
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		576514		
120	22.6	11.3	33.8		



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





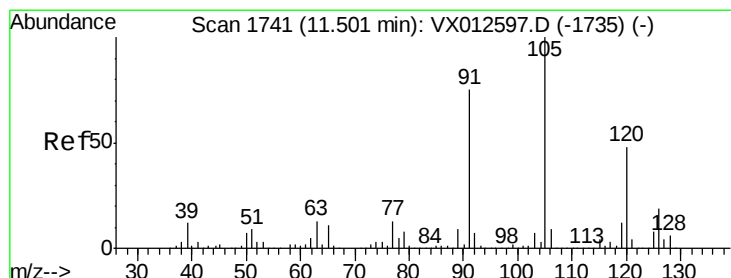
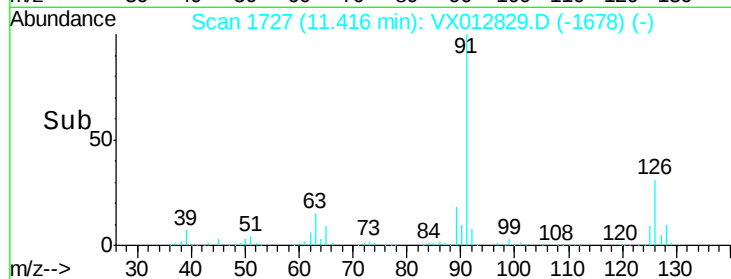
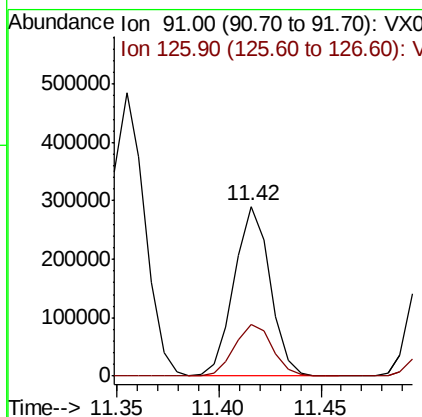
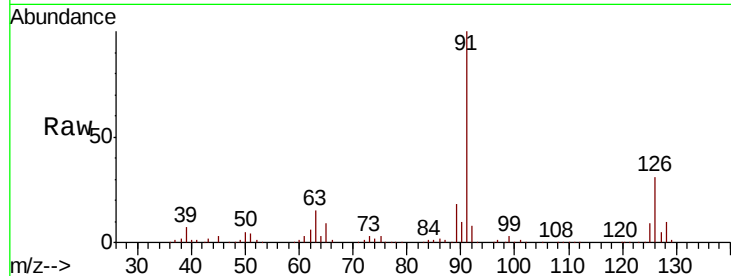
#79
 2-Chlorotoluene
 Concen: 51.047 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion: 91 Resp: 354474
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.4 49.4

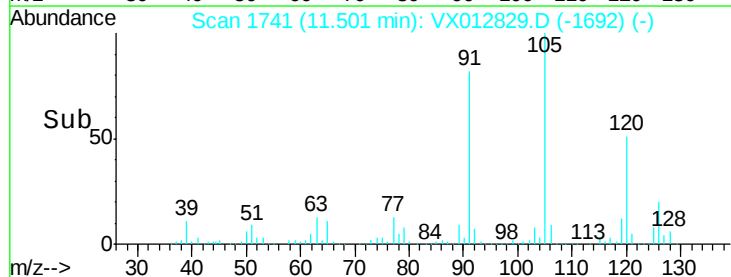
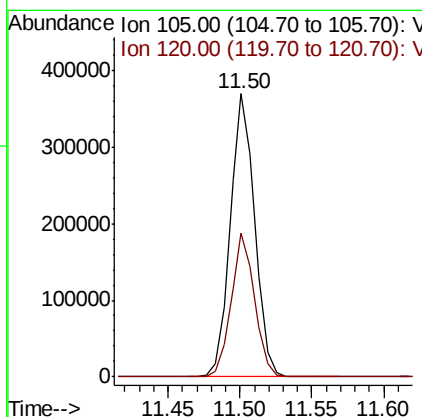
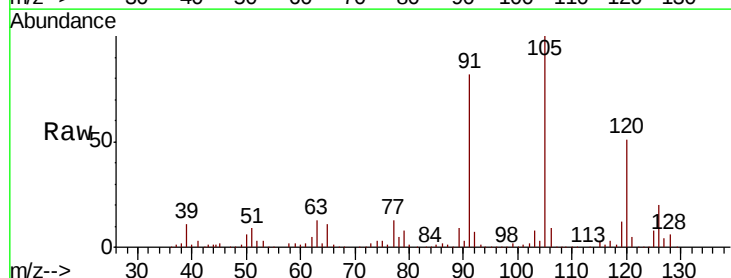
Manual Integrations
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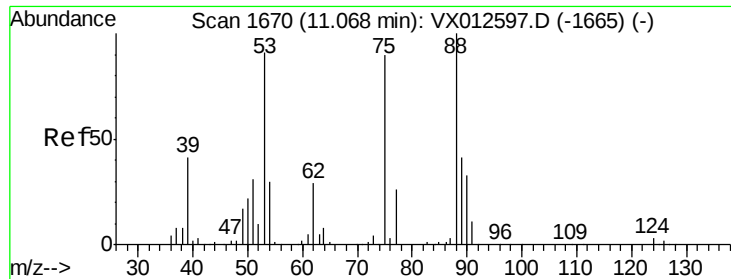
MMDadoda
 10/8/2019 1:12:47 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.874 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion: 105 Resp: 438400
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.8





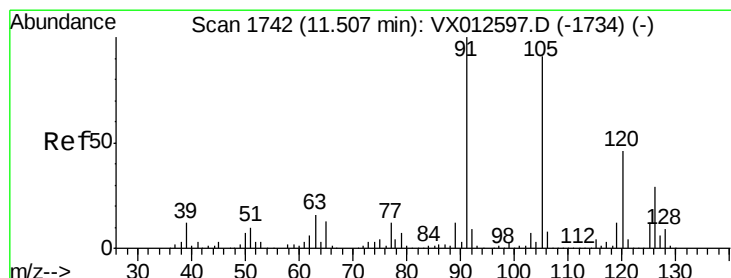
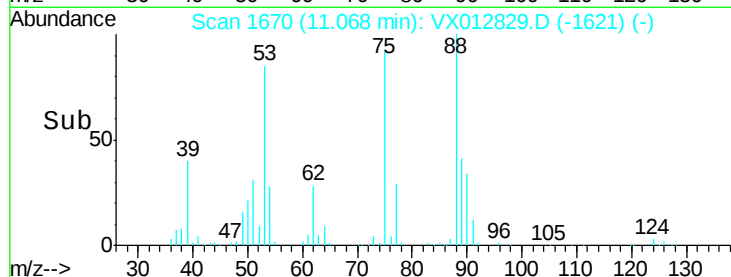
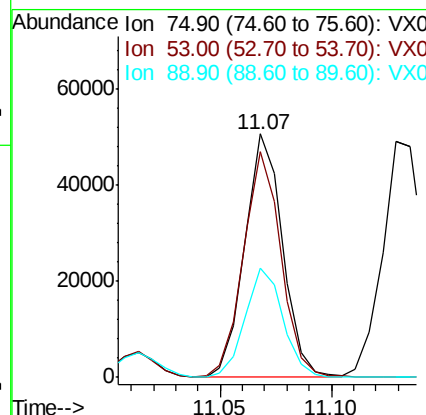
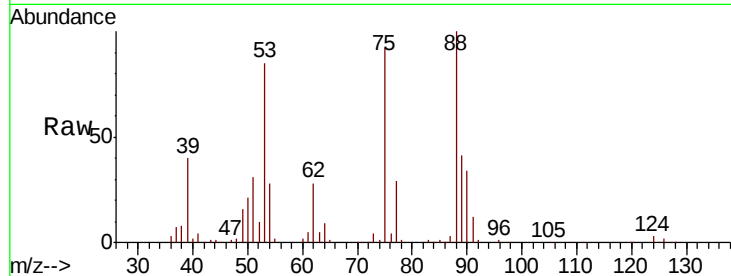
#81
trans-1,4-Dichloro-2-butene
Concen: 53.313 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.6	83.6	125.4
89	45.3	36.3	54.5

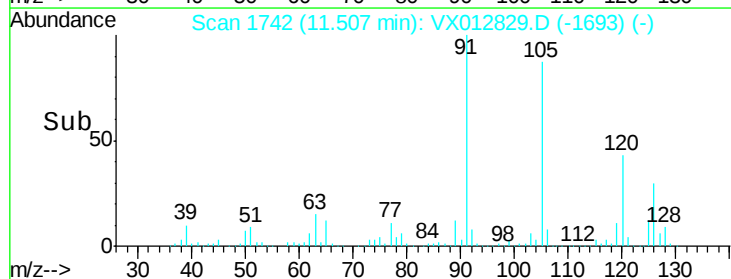
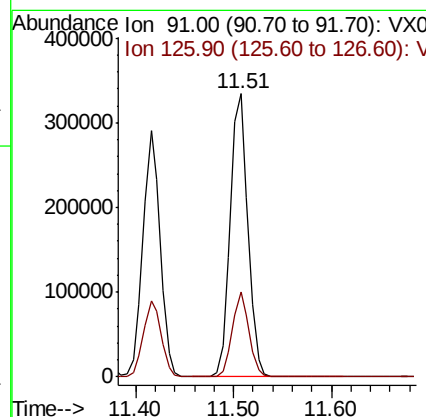
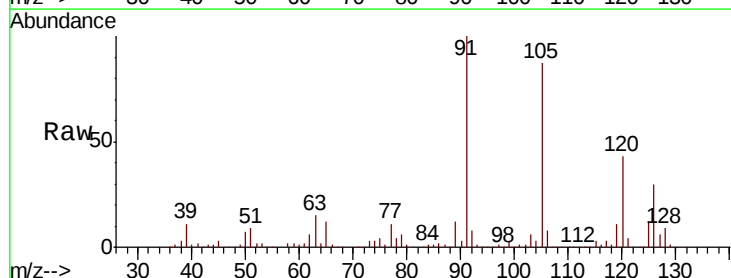
Manual Integrations
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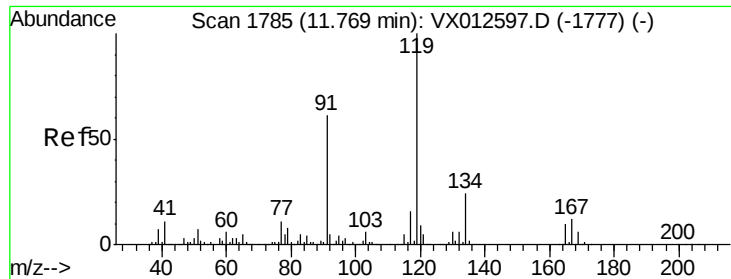
MMDadoda
10/8/2019 1:12:47 PM



#82
4-Chlorotoluene
Concen: 52.903 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.4	43.0





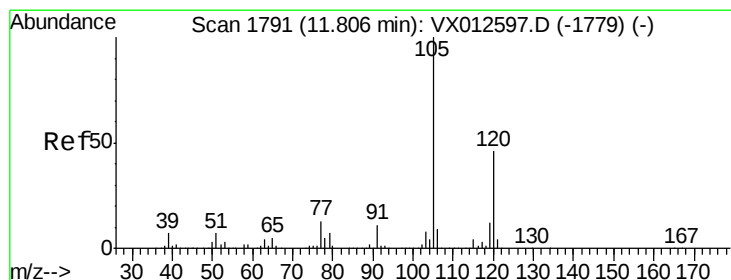
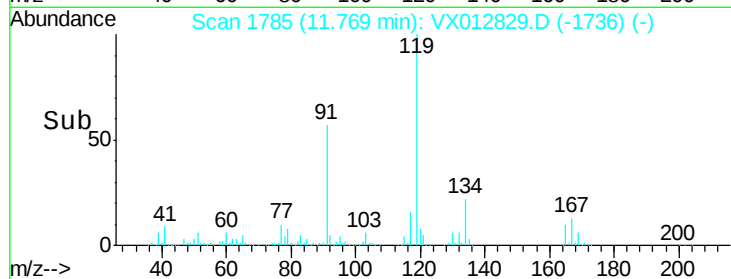
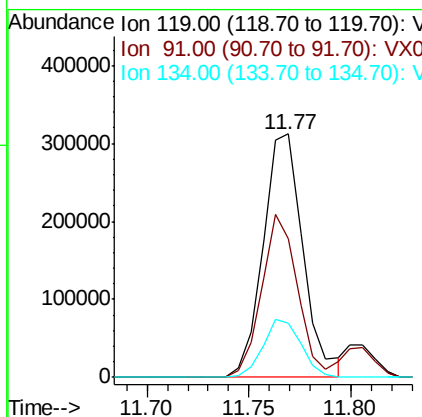
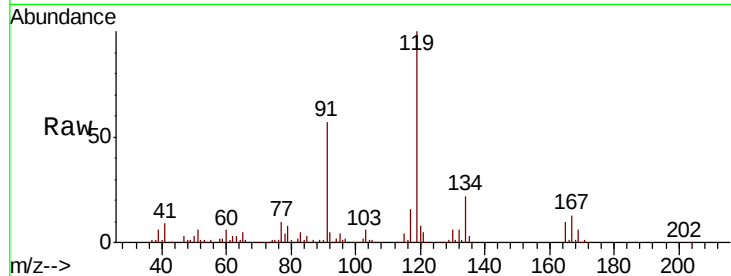
#83
tert-Butylbenzene
Concen: 53.454 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	427540		
91	59.9	30.0	90.0	
134	22.7	11.3	33.9	

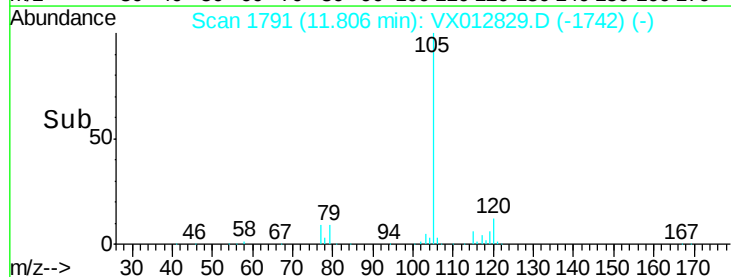
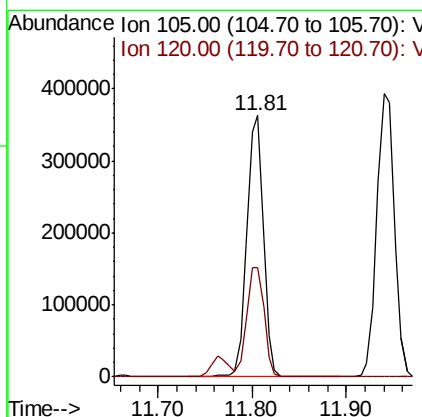
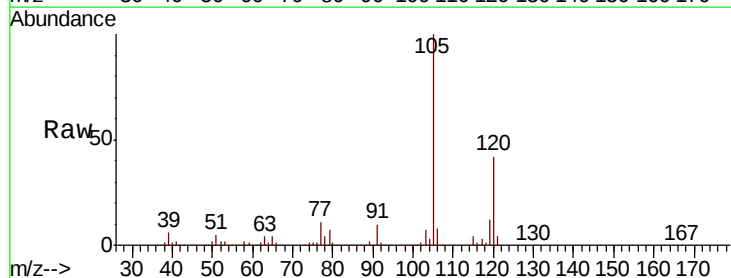
Manual Integrations
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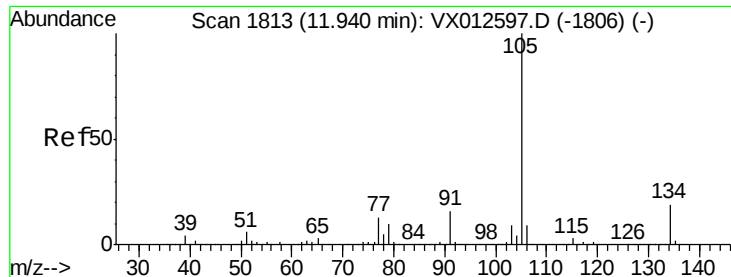
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.264 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	445517		
120	43.8	22.2	66.6	





#85

sec-Butylbenzene

Concen: 55.108 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 512656

Ion Ratio Lower Upper

105 100

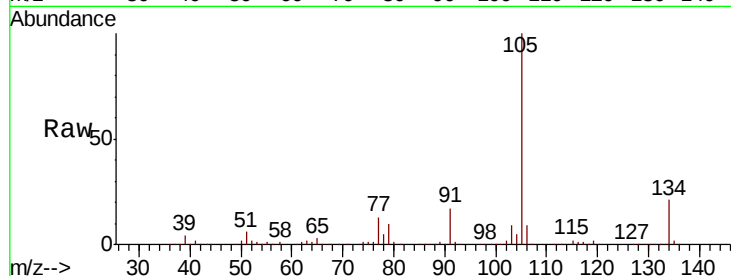
134 20.1 9.8 29.4

Manual Integrations

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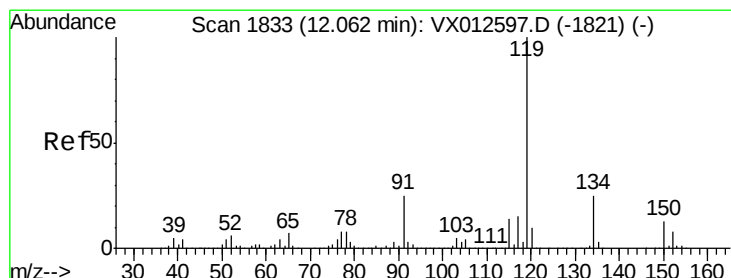
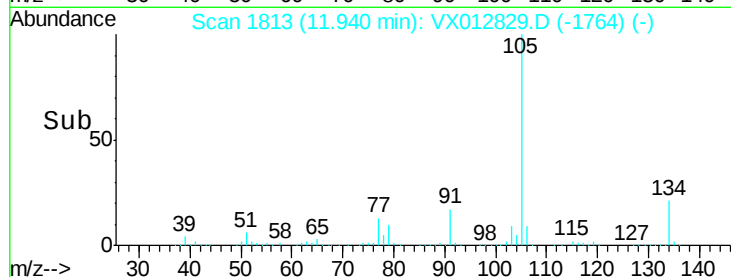
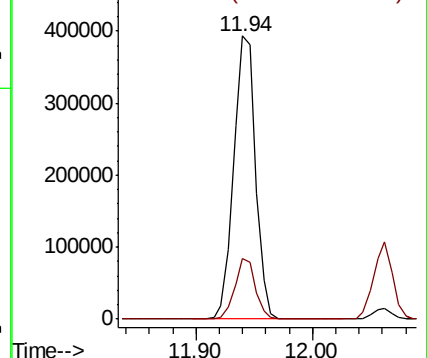
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.460 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

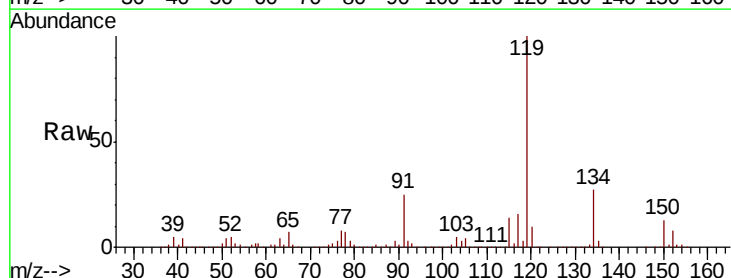
Tgt Ion:119 Resp: 473933

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

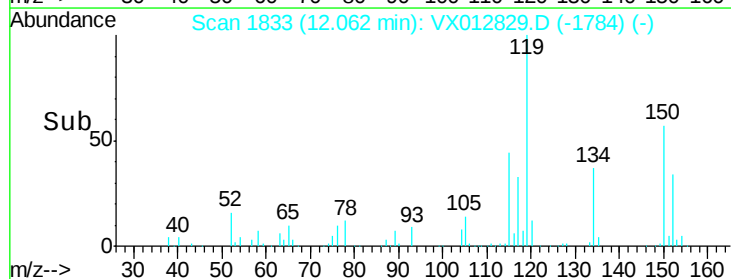
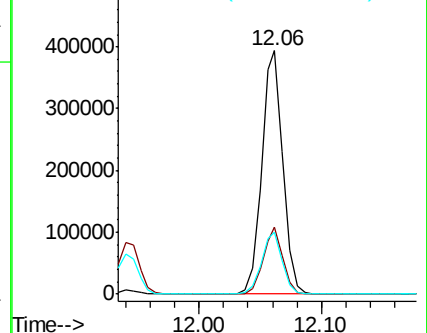
91 25.0 12.8 38.4

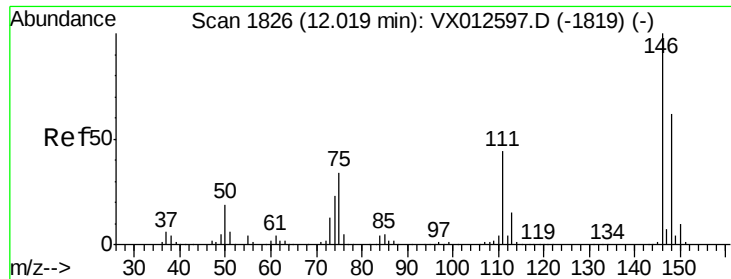


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





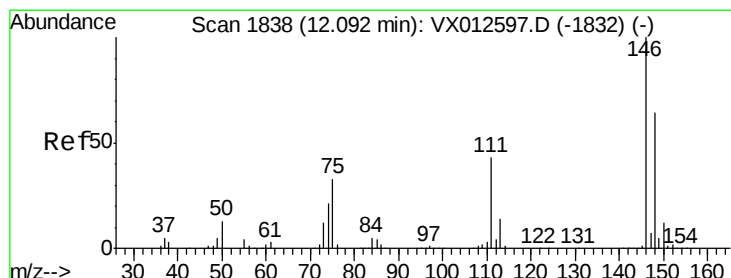
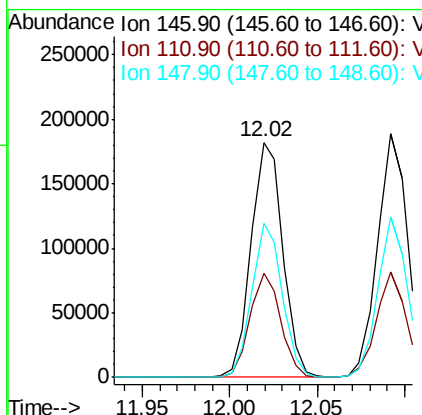
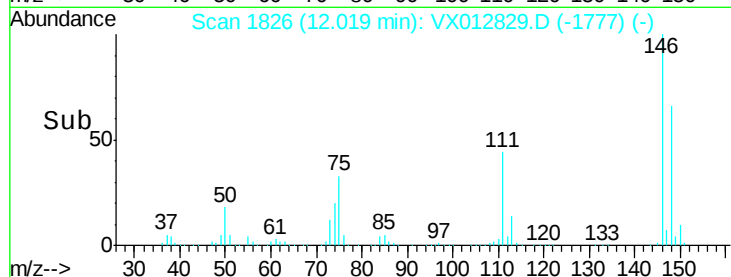
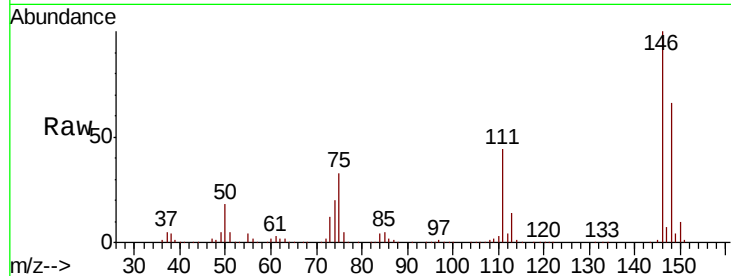
#87
 1,3-Dichlorobenzene
 Concen: 56.852 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	64.0
148	62.9	32.4	97.2

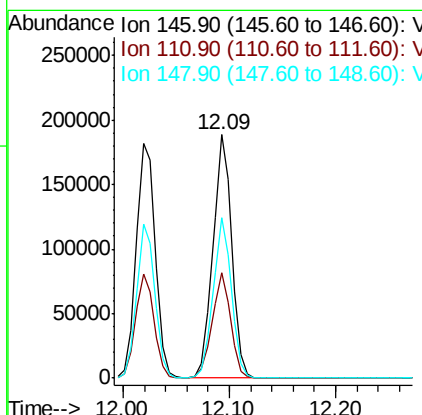
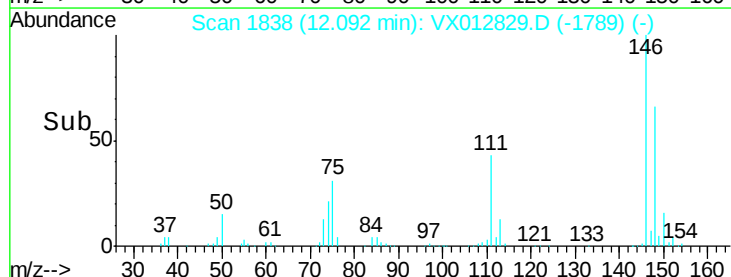
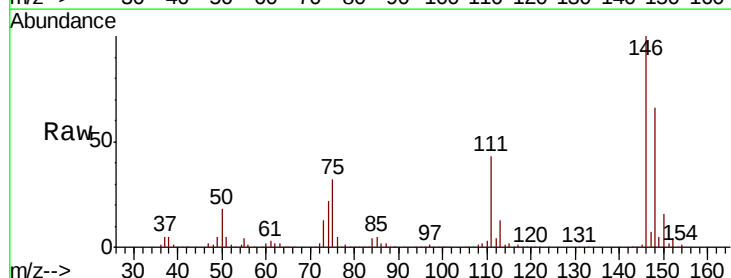
Manual Integrations
 APPROVED

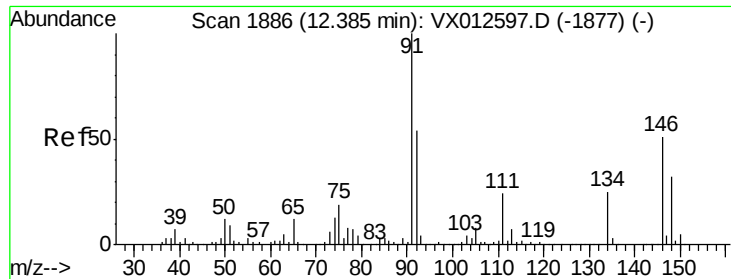
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#88
 1,4-Dichlorobenzene
 Concen: 55.694 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.3
148	64.3	32.1	96.5





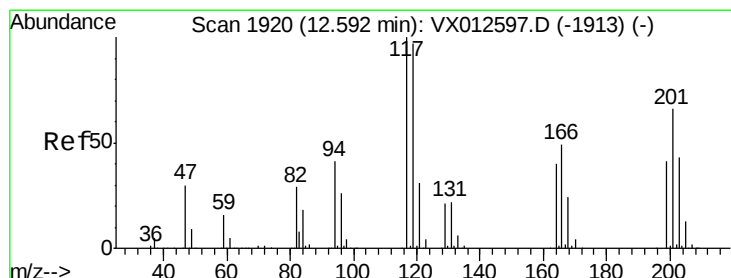
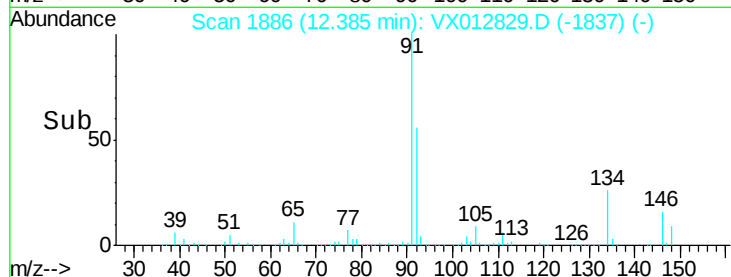
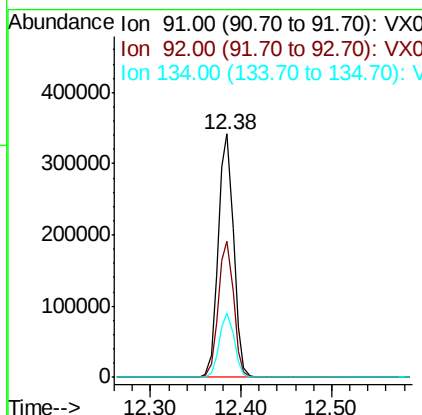
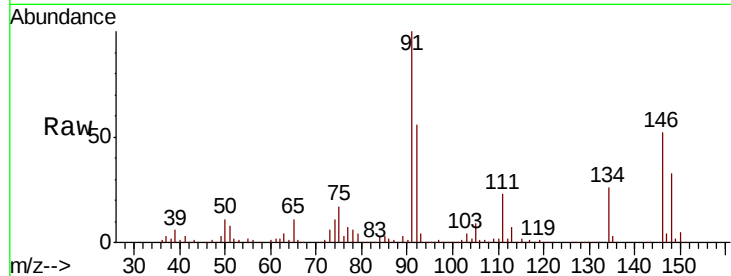
#89
n-Butylbenzene
Concen: 55.019 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.7	83.0
134	25.7	12.9	38.6

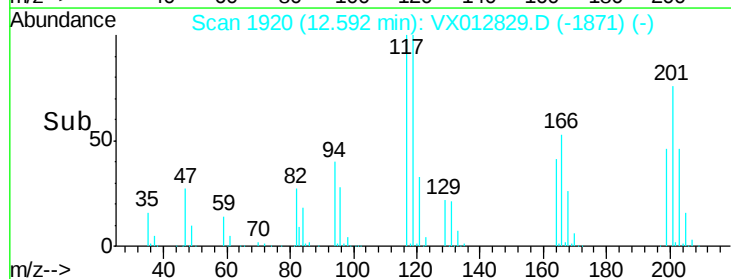
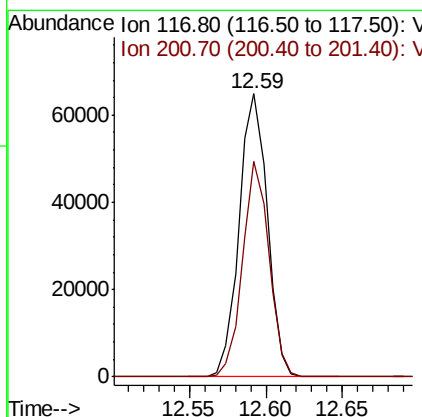
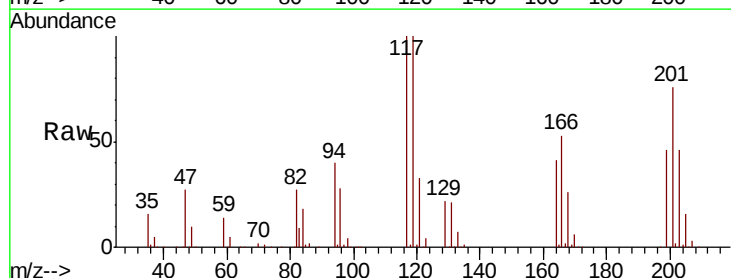
Manual Integrations
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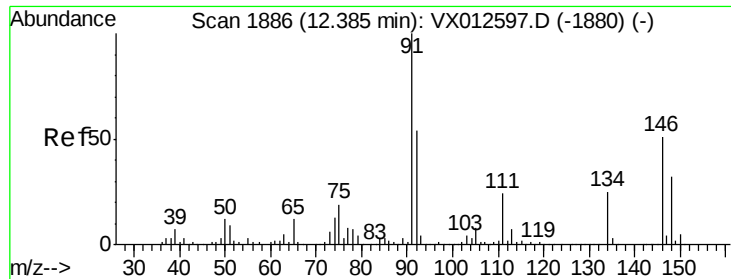
MMDadoda
10/8/2019 1:12:47 PM



#90
Hexachloroethane
Concen: 55.453 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.4	33.3	99.8





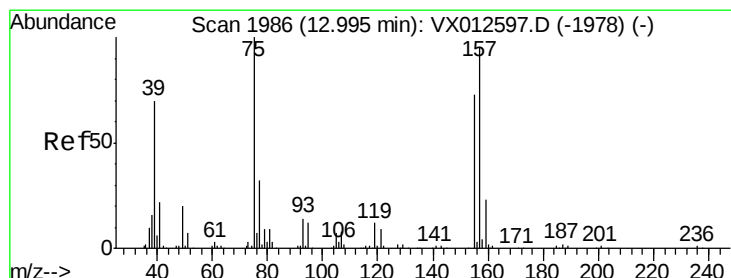
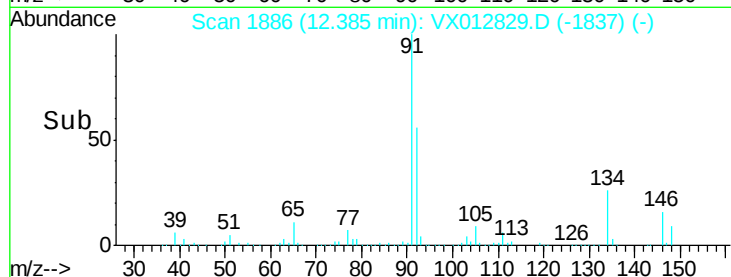
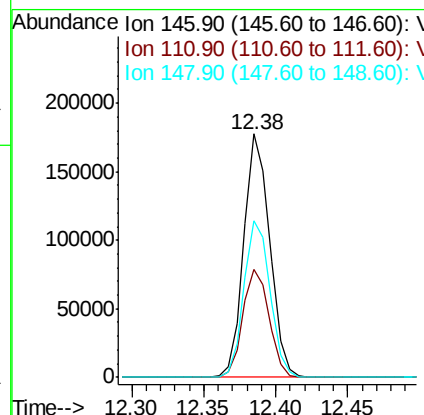
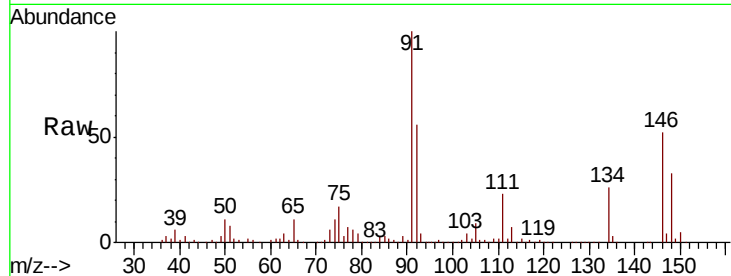
#91
 1,2-Dichlorobenzene
 Concen: 55.075 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.1	66.1
148	64.8	31.3	93.9

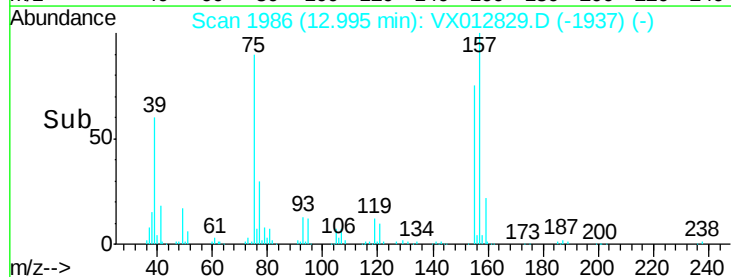
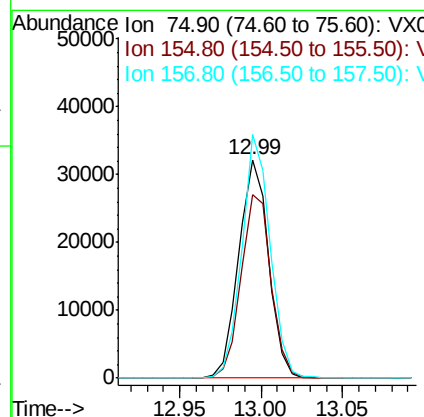
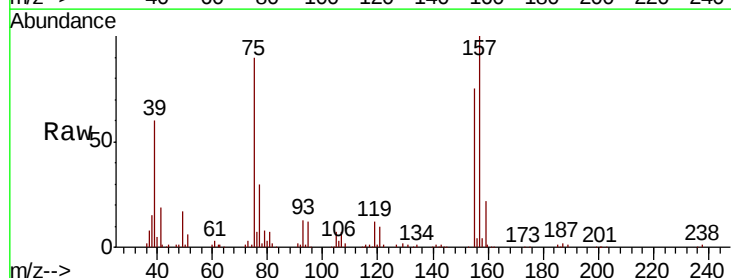
Manual Integrations
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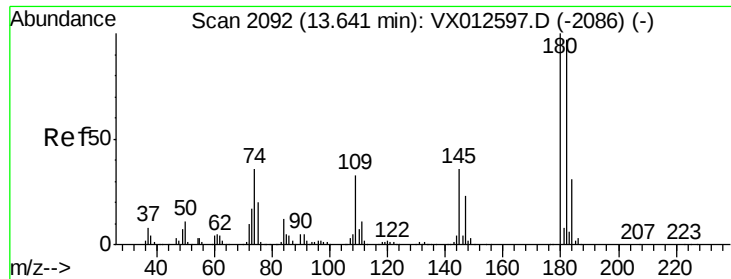
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.030 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	38.6	115.8
157	105.8	50.6	151.9





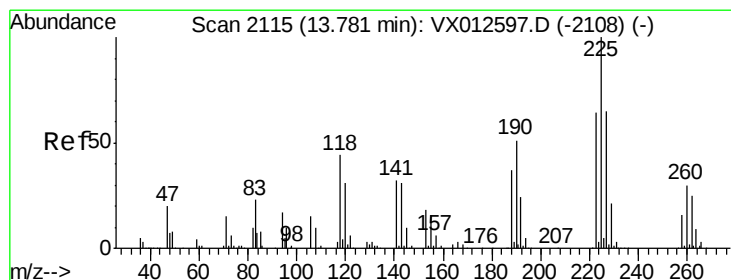
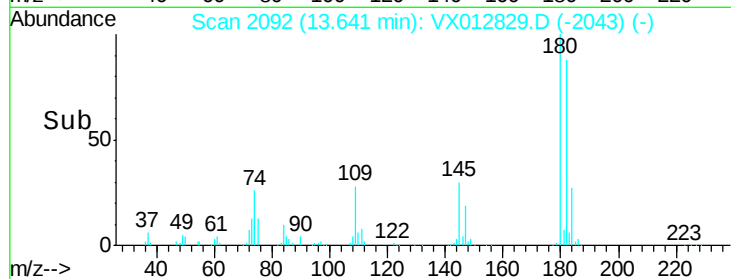
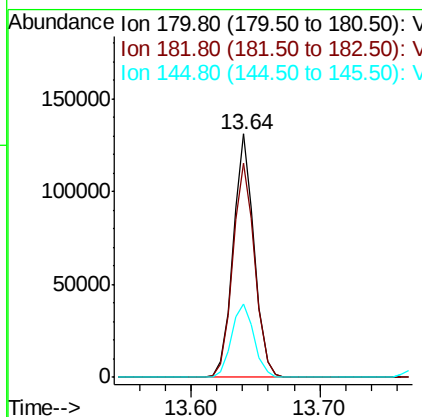
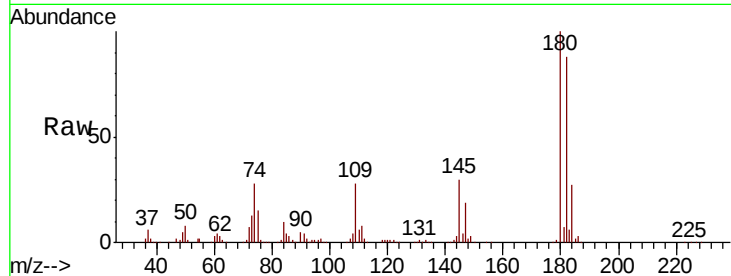
#93
 1,2,4-Trichlorobenzene
 Concen: 60.481 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	148711		
182	92.3	47.0	141.0	
145	32.6	16.8	50.4	

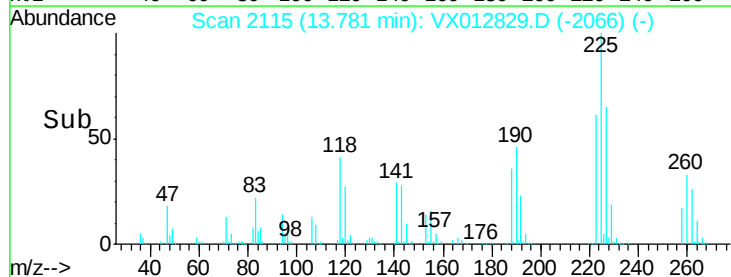
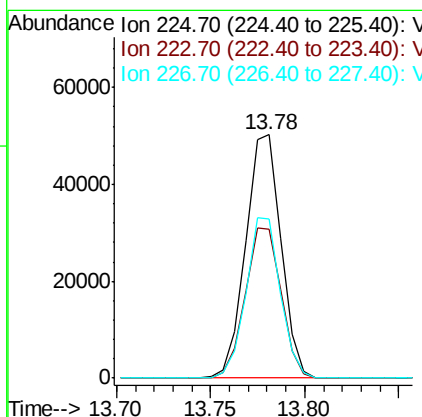
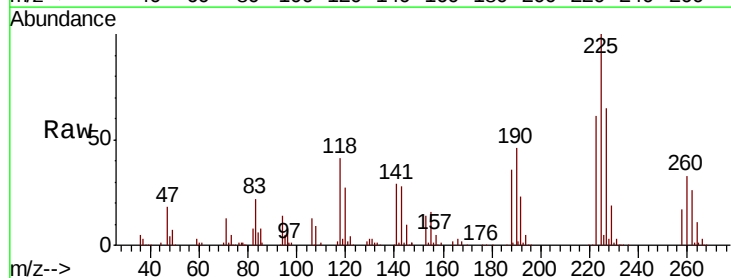
Manual Integrations
 APPROVED

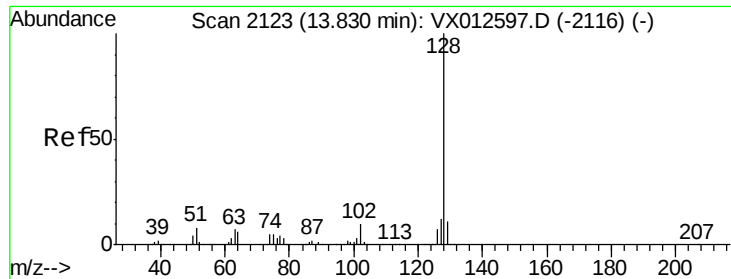
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#94
 Hexachlorobutadiene
 Concen: 61.858 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65432		
223	62.8	32.0	96.2	
227	63.9	31.9	95.5	





#95

Naphthalene

Concen: 54.259 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

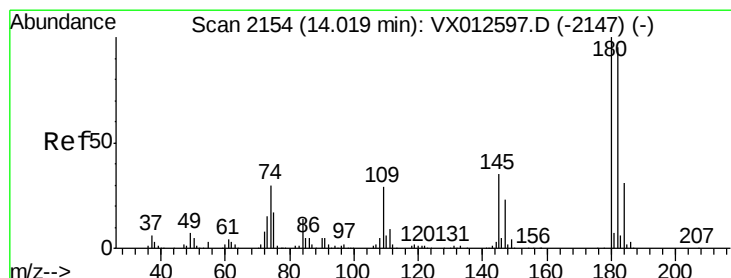
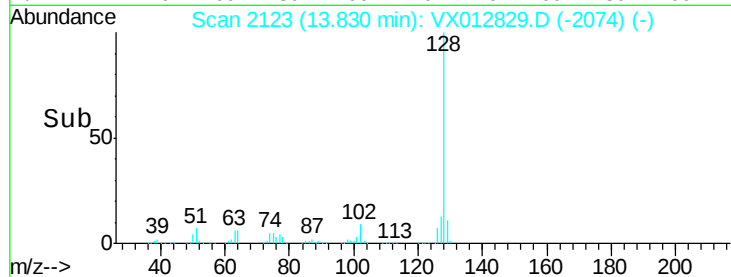
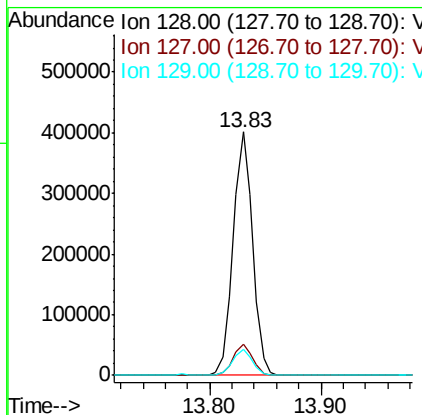
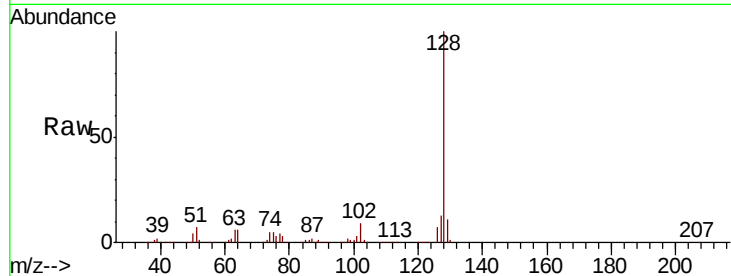
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	482686
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 59.175 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Tgt Ion:	180	Resp:	145750
Ion Ratio	Lower	Upper	
180	100		
182	93.2	47.1	141.3
145	34.8	18.0	54.0

