

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091819\
 Data File : VX012487.D
 Acq On : 18 Sep 2019 20:28
 Operator : JC/SP
 Sample : K4830-12MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Manual Integrations
 APPROVED

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 9/19/2019 1:05:55 PM

Quant Time: Sep 19 07:58:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	143057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	246361	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	223471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105583	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	103942	50.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.40%		
35) Dibromofluoromethane	5.49	113	76462	51.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.56%		
50) Toluene-d8	8.71	98	269074	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.50%		
62) 4-Bromofluorobenzene	11.14	95	110399	48.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.34%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	45344	47.528	ug/l	99
3) Chloromethane	1.32	50	40261	51.191	ug/l	98
4) Vinyl Chloride	1.40	62	42858	50.418	ug/l	93
5) Bromomethane	1.62	94	15354	45.975	ug/l	96
6) Chloroethane	1.70	64	30956	46.537	ug/l	93
7) Trichlorofluoromethane	1.92	101	77726	49.880	ug/l	98
8) Diethyl Ether	2.18	74	35542	50.498	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54463	48.306	ug/l	98
10) Methyl Iodide	2.50	142	48954	50.544	ug/l	98
11) Tert butyl alcohol	3.04	59	132611	255.173	ug/l	100
12) 1,1-Dichloroethene	2.36	96	44759	49.765	ug/l	98
13) Acrolein	2.28	56	50051	278.196	ug/l	100
14) Allyl chloride	2.72	41	107341	51.262	ug/l	97
15) Acrylonitrile	3.13	53	271828	305.951	ug/l	98
16) Acetone	2.44	43	251744	269.336	ug/l	100
17) Carbon Disulfide	2.56	76	55758	44.058	ug/l	98
18) Methyl Acetate	2.76	43	119508	55.937	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	257517	52.513	ug/l #	85
20) Methylene Chloride	2.84	84	63897	51.495	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	47501	50.859	ug/l	97
22) Diisopropyl ether	3.84	45	253227	51.649	ug/l	99
23) Vinyl Acetate	3.80	43	1053900	261.313	ug/l	99
24) 1,1-Dichloroethane	3.69	63	122273	52.124	ug/l	99
25) 2-Butanone	4.66	43	393294	276.537	ug/l	98
26) 2,2-Dichloropropane	4.57	77	94864	41.119	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	73492	52.675	ug/l	93
28) Bromochloromethane	5.00	49	63621	52.607	ug/l	96
29) Tetrahydrofuran	5.12	42	240916	306.632	ug/l	99
30) Chloroform	5.20	83	137193	50.924	ug/l	99
31) Cyclohexane	5.56	56	131823	93.091	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	110737	49.179	ug/l	99
36) 1,1-Dichloropropene	5.79	75	71837	47.979	ug/l	97
37) Ethyl Acetate	4.83	43	130156	56.631	ug/l	97
38) Carbon Tetrachloride	5.78	117	87945	47.227	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	203438	139.768	ug/l	99
40) Benzene	6.14	78	242835	51.003	ug/l	99
41) Methacrylonitrile	5.03	41	79456	53.691	ug/l	97
42) 1,2-Dichloroethane	6.18	62	110529	50.051	ug/l	99
43) Isopropyl Acetate	6.43	43	215404	52.219	ug/l	99
44) Trichloroethene	7.20	130	63394	50.616	ug/l	98
45) 1,2-Dichloropropane	7.51	63	75156	51.379	ug/l	99
46) Dibromomethane	7.65	93	48510	51.247	ug/l	97
47) Bromodichloromethane	7.89	83	108395	51.429	ug/l	98
48) Methyl methacrylate	7.76	41	110571	56.864	ug/l	94
49) 1,4-Dioxane	7.73	88	48114	1016.659	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	767032	283.544	ug/l	99
52) Toluene	8.78	92	156014	50.852	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	107879	49.239	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	113204	49.909	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	79278	50.156	ug/l	97
56) Ethyl methacrylate	9.17	69	142561	57.687	ug/l	97
57) 1,3-Dichloropropane	9.37	76	133028	52.749	ug/l	98
59) 2-Hexanone	9.49	43	581233	275.404	ug/l	96
60) Dibromochloromethane	9.58	129	86232	53.559	ug/l	99
61) 1,2-Dibromoethane	9.67	107	79255	54.902	ug/l	99
64) Tetrachloroethene	9.33	164	51998	50.778	ug/l	89
65) Chlorobenzene	10.14	112	183184	49.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	81098	52.979	ug/l	99
67) Ethyl Benzene	10.25	91	338160	53.364	ug/l	98
68) m/p-Xylenes	10.35	106	259937	112.738	ug/l	100
69) o-Xylene	10.70	106	125437	52.901	ug/l	100
70) Stvrene	10.71	104	217062	51.739	ug/l	99
71) Bromoform	10.85	173	61886	47.129	ug/l #	100
73) Isopropylbenzene	11.01	105	832262	125.630	ug/l	98
74) N-amyl acetate	10.89	43	188172	52.759	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	145167	55.861	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	135292m	55.783	ug/l	
77) Bromobenzene	11.25	156	84908	52.554	ug/l	98
78) n-propylbenzene	11.35	91	911908	123.506	ug/l	99
79) 2-Chlorotoluene	11.42	91	241706	50.320	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	286902	50.781	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	41667	47.341	ug/l	98
82) 4-Chlorotoluene	11.51	91	272415	49.415	ug/l	99
83) tert-Butylbenzene	11.77	119	312450	51.610	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	1606868	276.996	ug/l	98
85) sec-Butylbenzene	11.94	105	414718	62.167	ug/l	94
86) p-Isopropyltoluene	12.06	119	324538	52.979	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	152639	50.224	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	157206	50.356	ug/l	99
89) n-Butylbenzene	12.39	91	293083	53.623	ug/l	94
90) Hexachloroethane	12.59	117	67449	60.050	ug/l	87
91) 1,2-Dichlorobenzene	12.39	146	163158	51.364	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	41082	60.977	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	101107	49.416	ug/l	96

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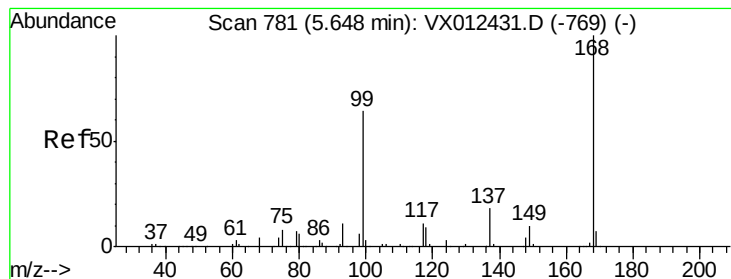
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	40022	41.503	ug/l	98
95) Naphthalene	13.83	128	738226	101.402	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	106717	51.184	ug/l	97

(#) = 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: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MS

Tot Ion:168 Resp: 143057

Ion Ratio Lower Upper

168 100

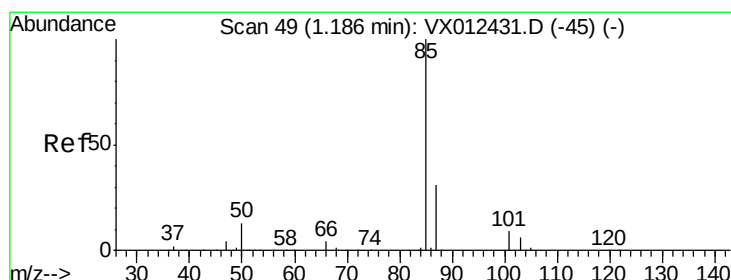
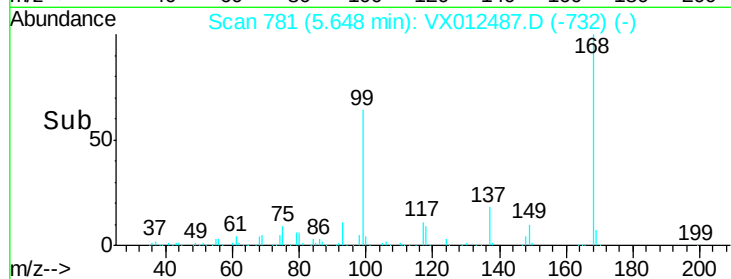
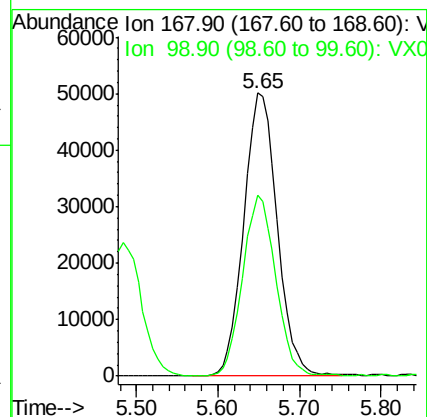
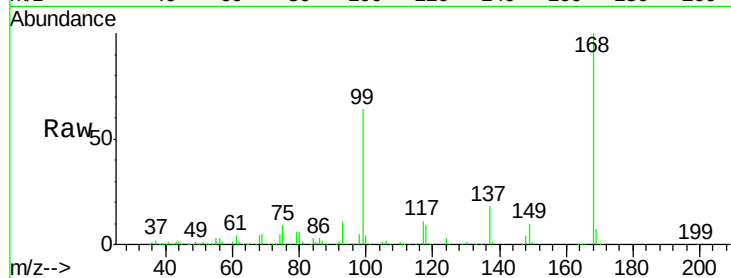
99 63.6 51.4 77.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.528 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012487.D

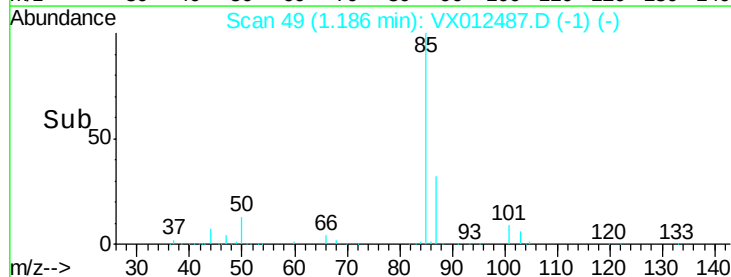
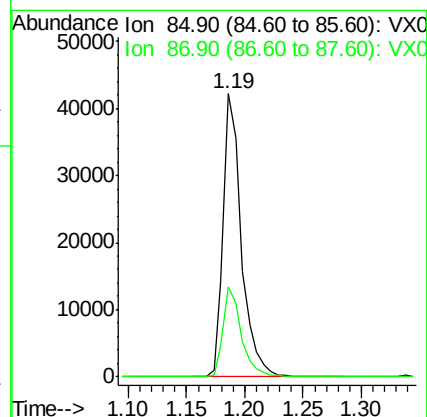
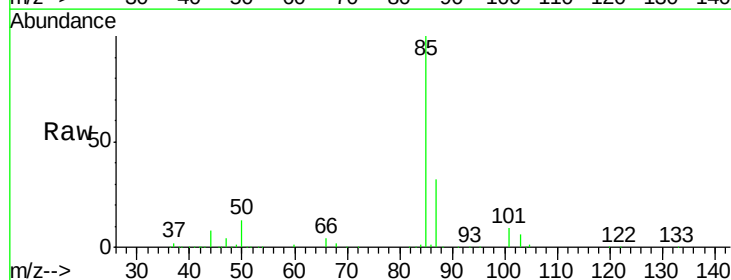
Acq: 18 Sep 2019 20:28

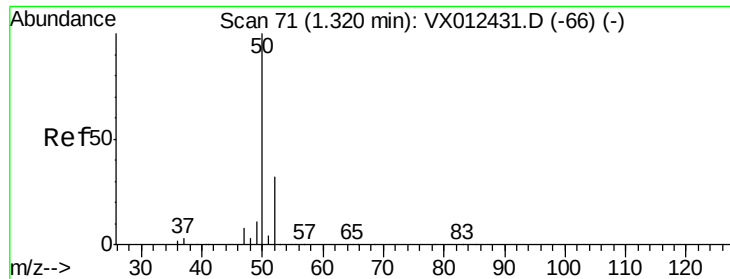
Tgt Ion: 85 Resp: 45344

Ion Ratio Lower Upper

85 100

87 31.7 15.6 46.8





#3

Chloromethane

Concen: 51.191 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MS

Tot Ion: 50 Resp: 40261

Ion Ratio Lower Upper

50 100

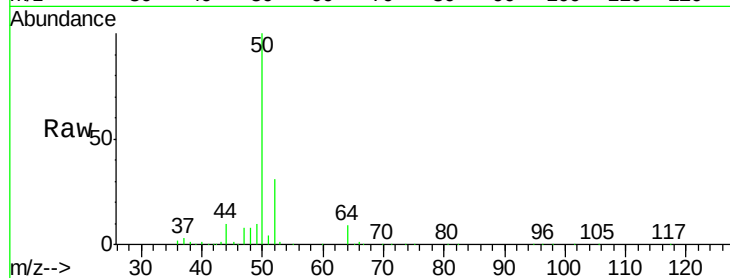
52 31.1 25.7 38.5

Manual Integrations

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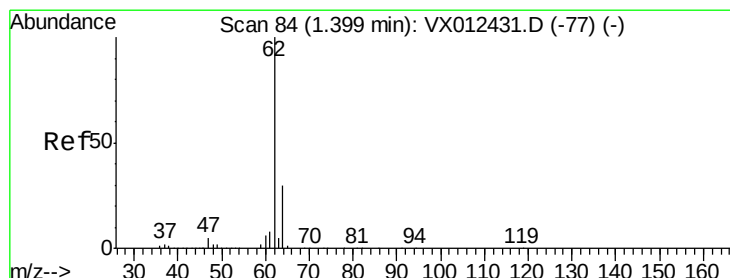
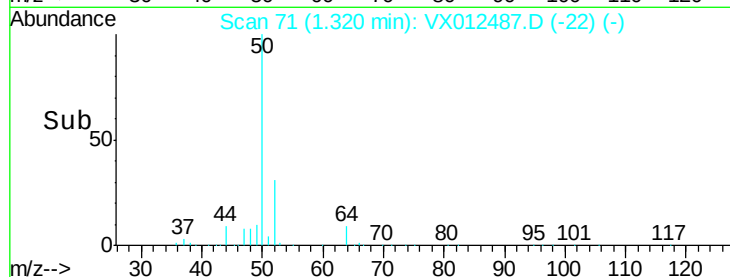
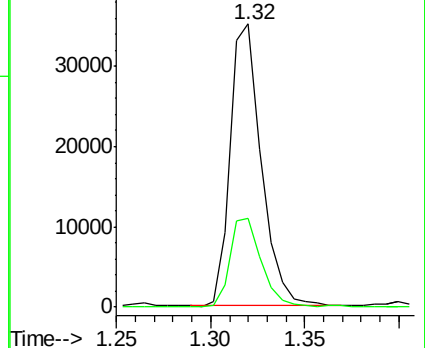
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.418 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012487.D

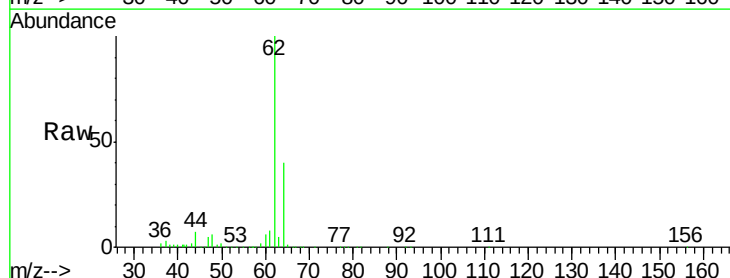
Acq: 18 Sep 2019 20:28

Tgt Ion: 62 Resp: 42858

Ion Ratio Lower Upper

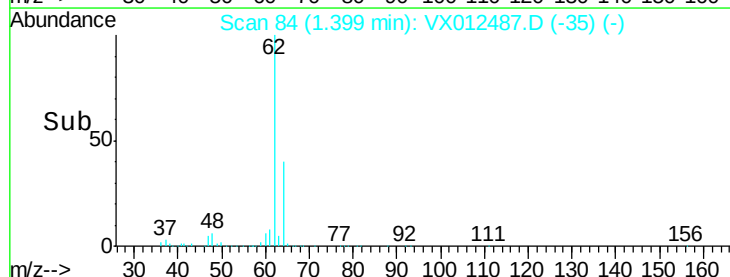
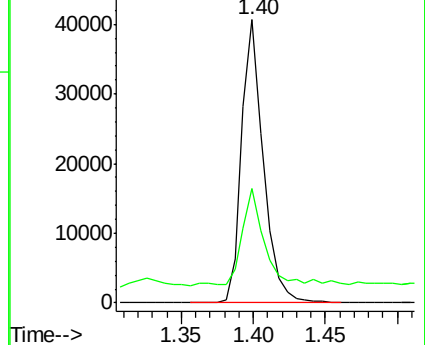
62 100

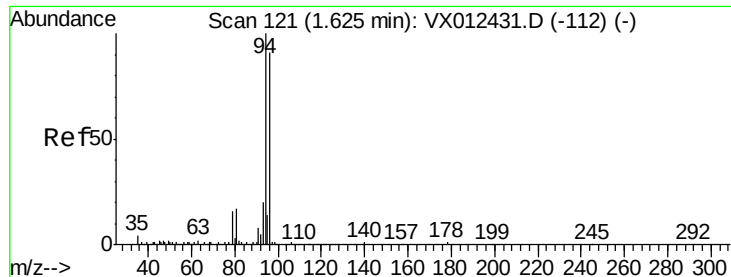
64 34.2 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.975 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

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ClientSampleId :

S13-0282MS

Tot Ion: 94 Resp: 15354

Ion Ratio Lower Upper

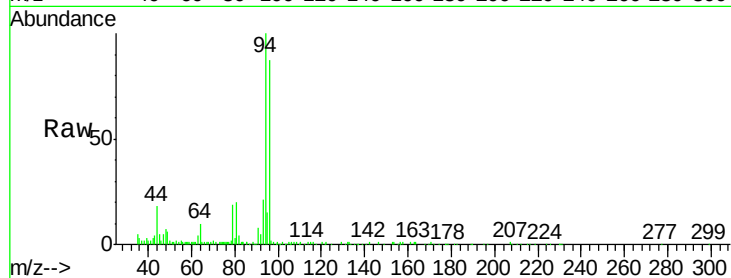
94 100

96 86.8 72.8 109.2

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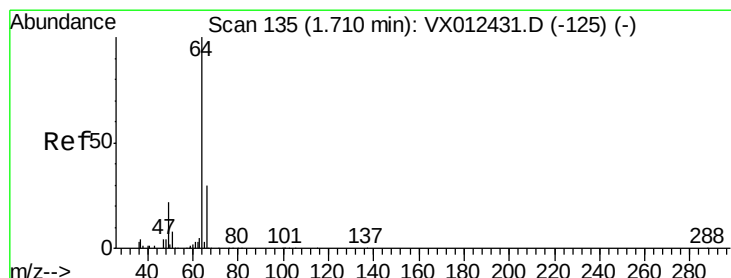
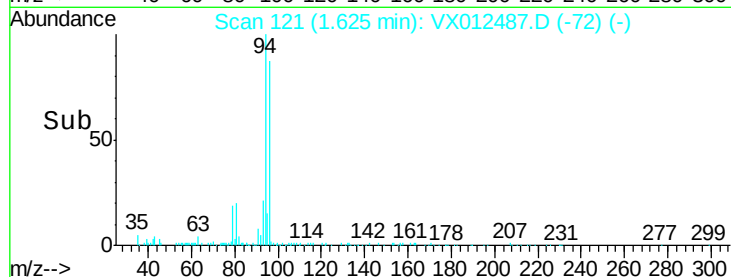
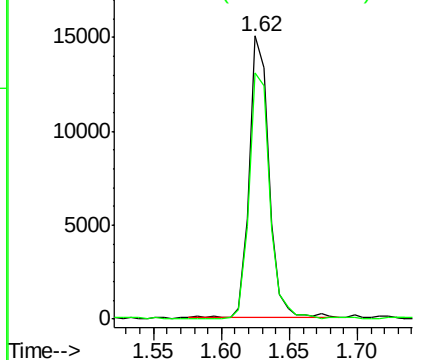
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.537 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012487.D

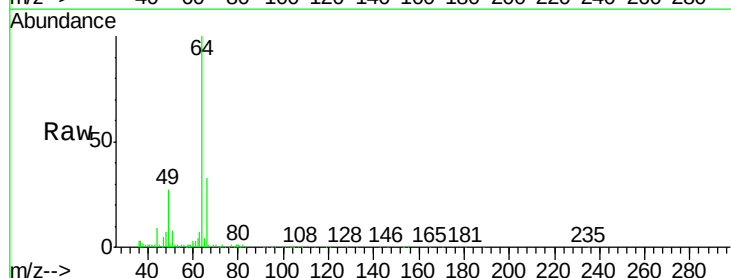
Acq: 18 Sep 2019 20:28

Tgt Ion: 64 Resp: 30956

Ion Ratio Lower Upper

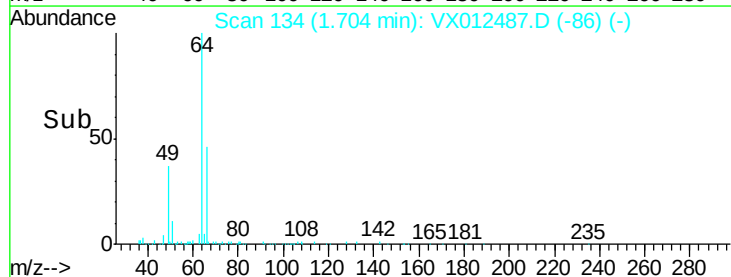
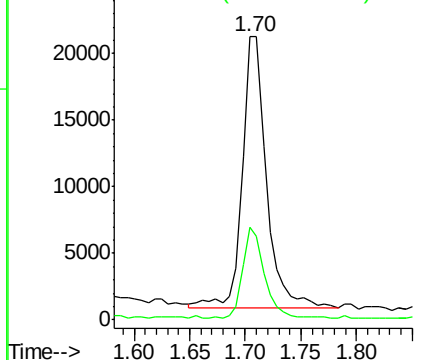
64 100

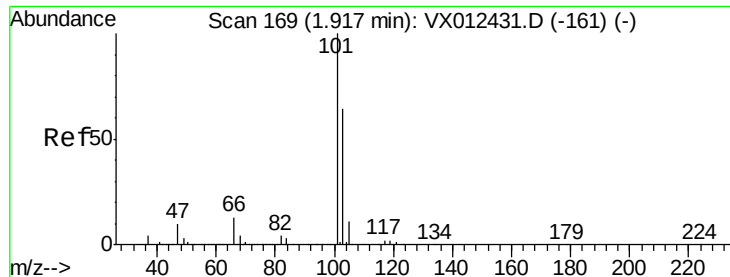
66 33.8 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

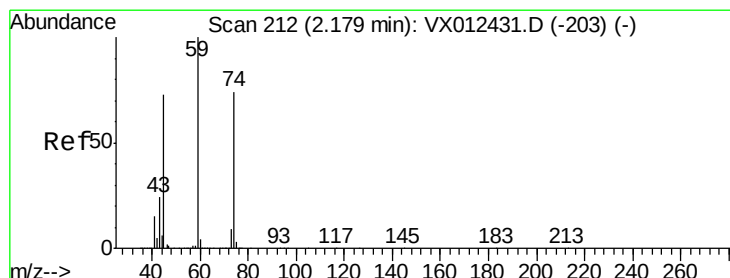
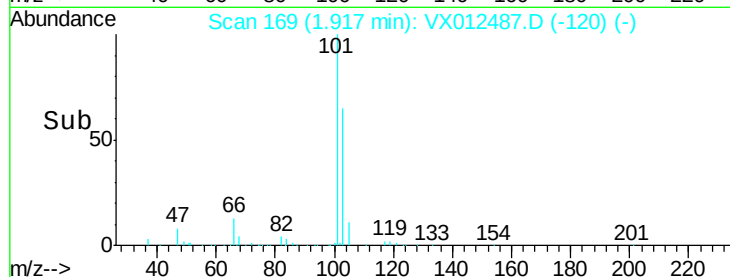
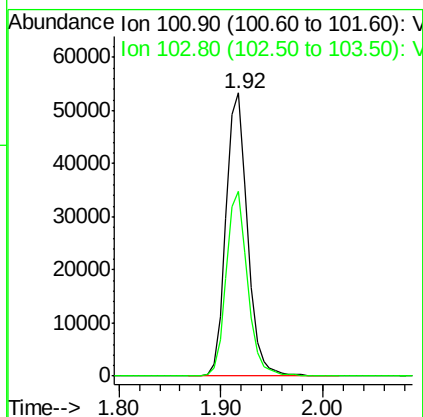
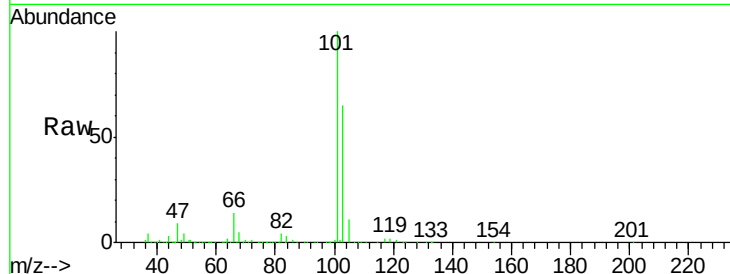
Trichlorofluoromethane
Concen: 49.880 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

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S13-0282MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.0	76.4

Manual Integrations
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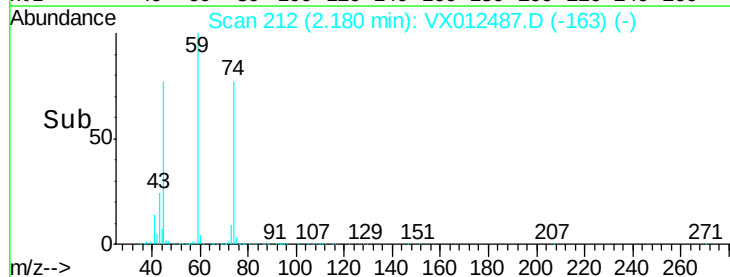
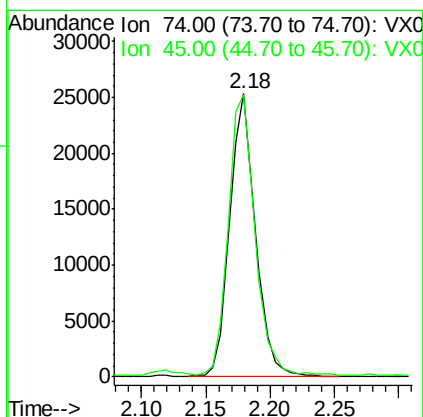
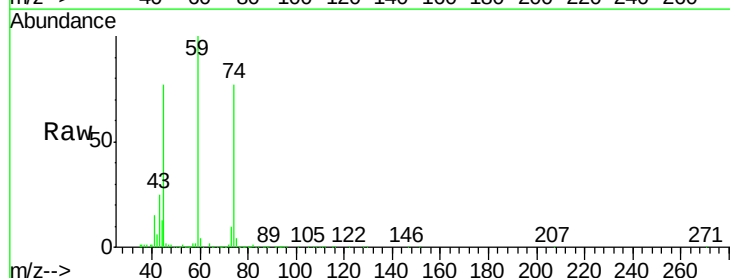
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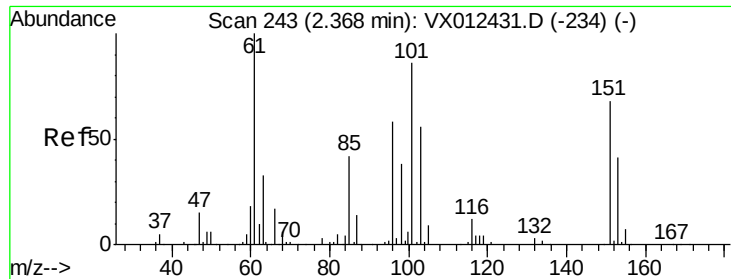


#8

Diethyl Ether
Concen: 50.498 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.0	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.306 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

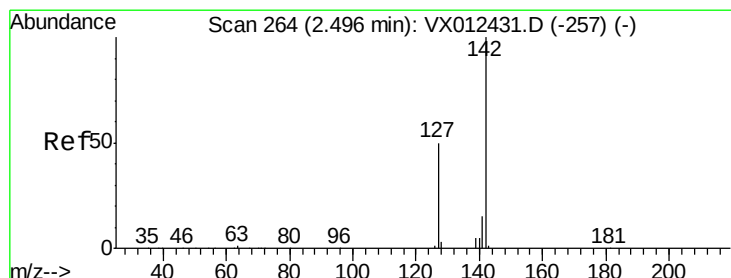
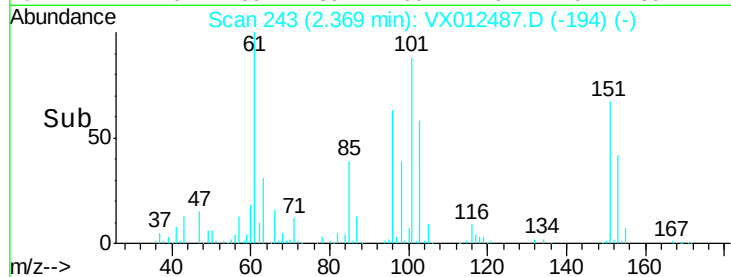
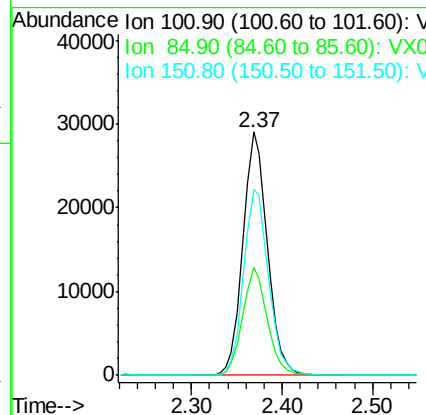
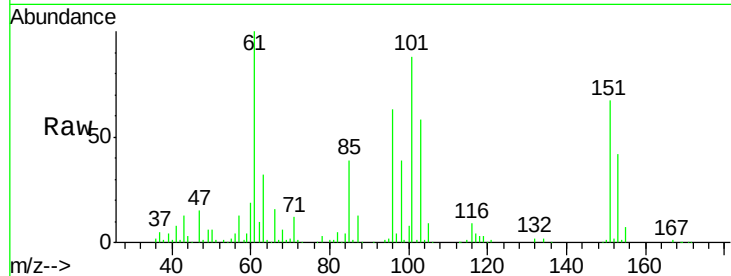
ClientSampleId :

S13-0282MS

Tot Ion:	101	Resp:	54463
Ion Ratio	Lower	Upper	
101	100		
85	44.5	37.3	55.9
151	78.0	61.0	91.4

Manual Integrations
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#10

Methyl Iodide

Concen: 50.544 ug/l

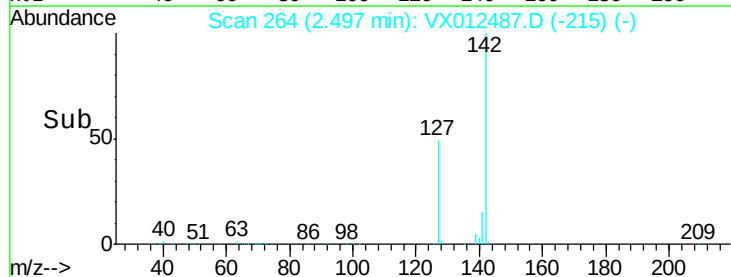
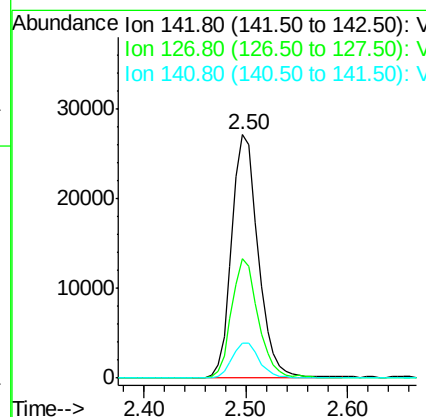
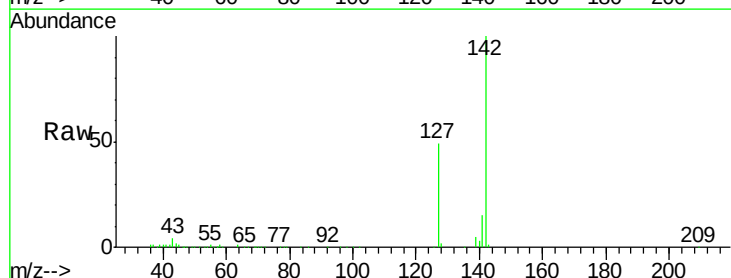
RT: 2.50 min Scan# 264

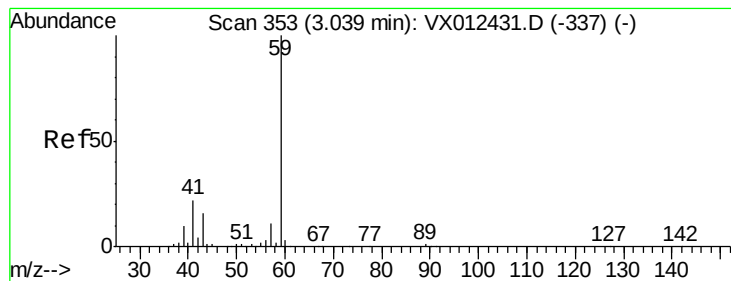
Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Tgt Ion:	142	Resp:	48954
Ion Ratio	Lower	Upper	
142	100		
127	49.2	40.8	61.2
141	14.7	12.1	18.1





#11

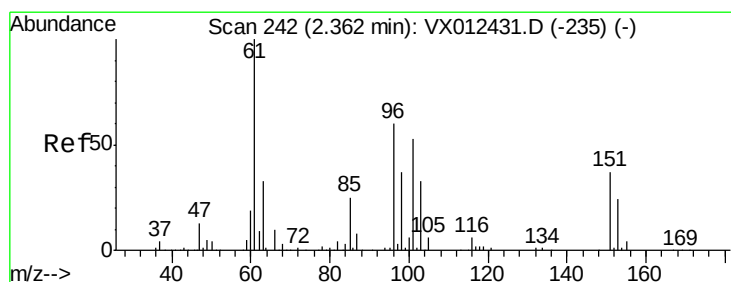
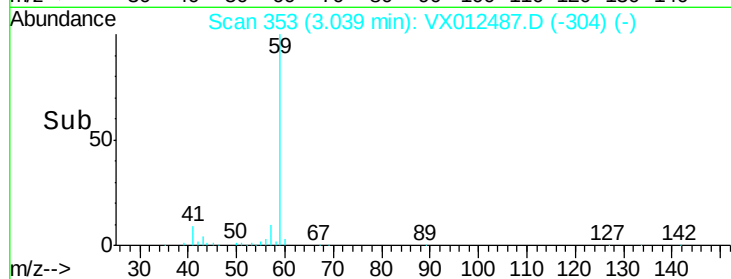
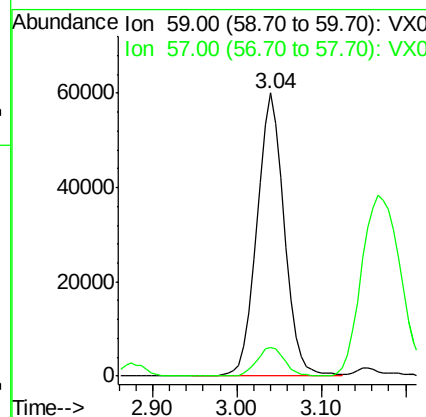
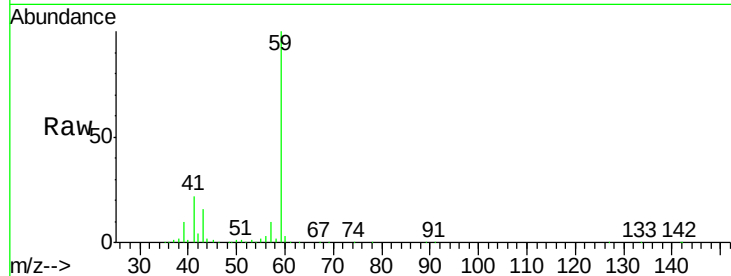
Tert butyl alcohol
 Concen: 255.173 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

Manual Integrations
 APPROVED

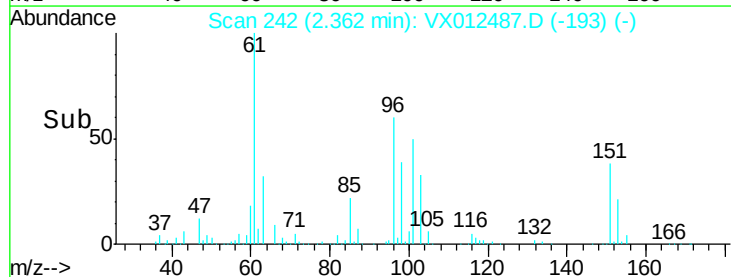
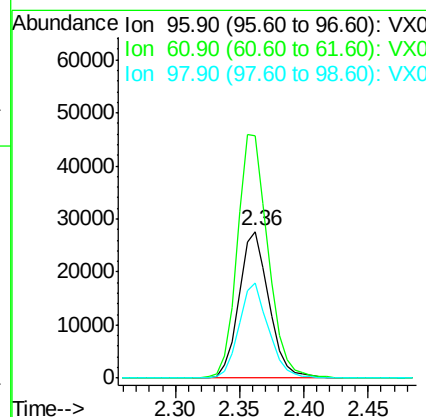
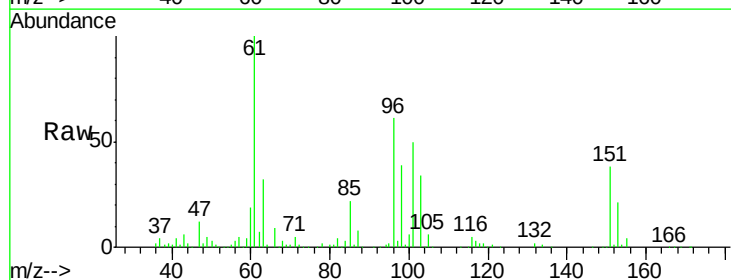
MMDadoda
 9/19/2019 1:05:55 PM

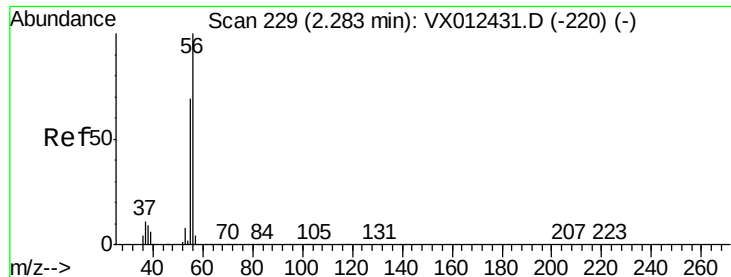


#12

1,1-Dichloroethene
 Concen: 49.765 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.8	133.8	200.6
98	64.8	49.9	74.9





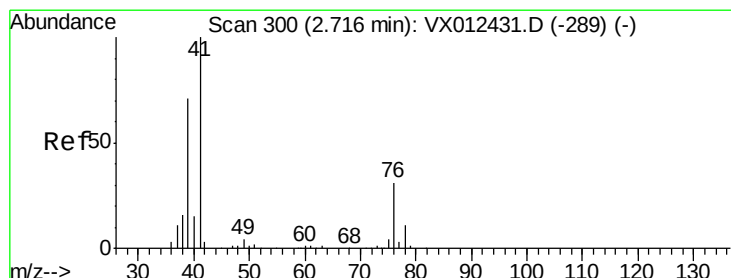
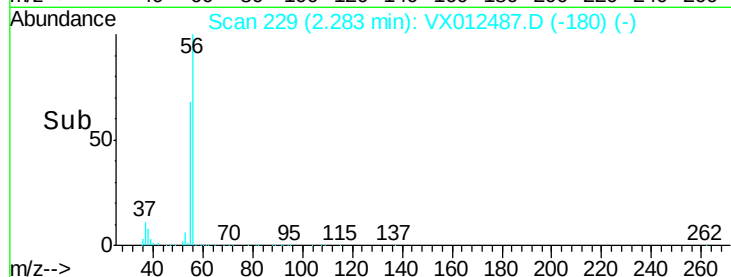
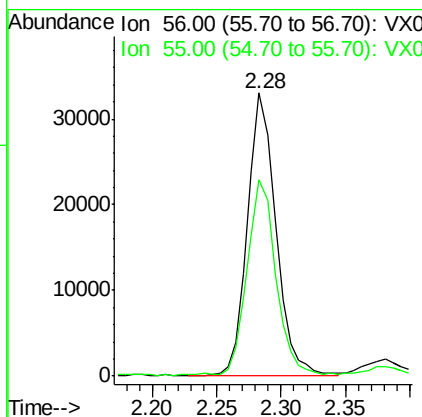
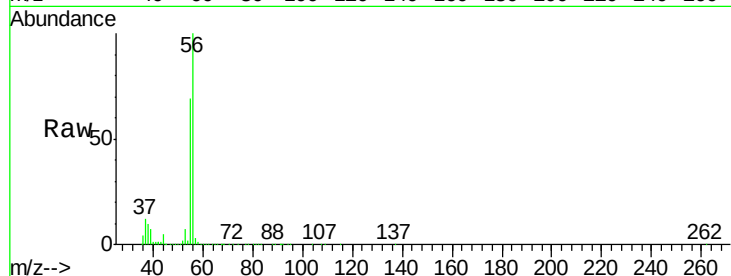
#13
Acrolein
Concen: 278.196 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.1	55.8	83.8

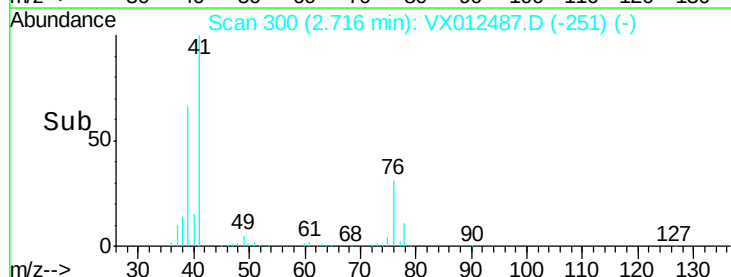
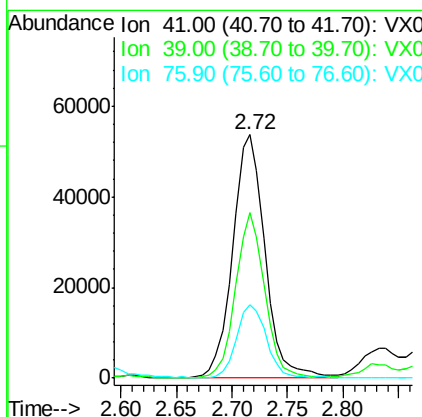
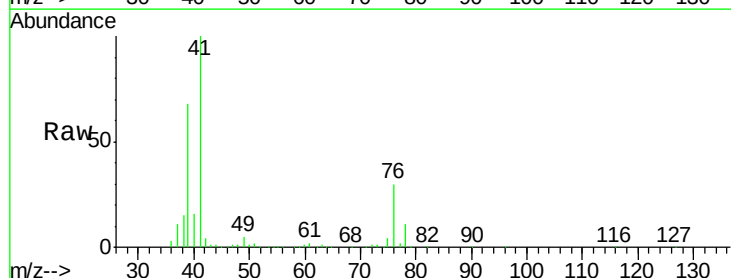
Manual Integrations
APPROVED

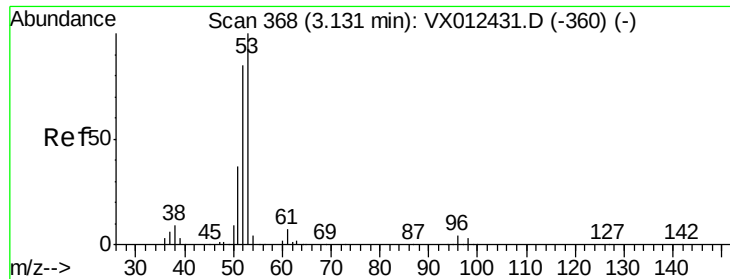
MMDadoda
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#14
Allyl chloride
Concen: 51.262 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.1	51.3	76.9
76	28.1	22.6	33.8





#15

Acrylonitrile

Concen: 305.951 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

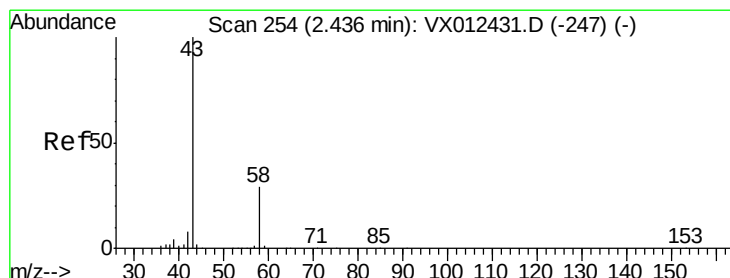
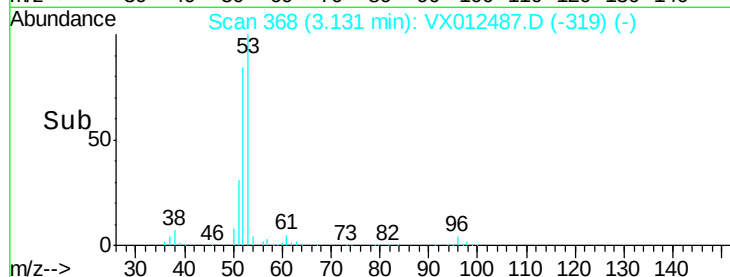
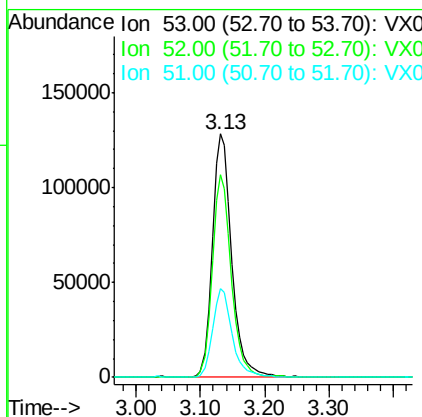
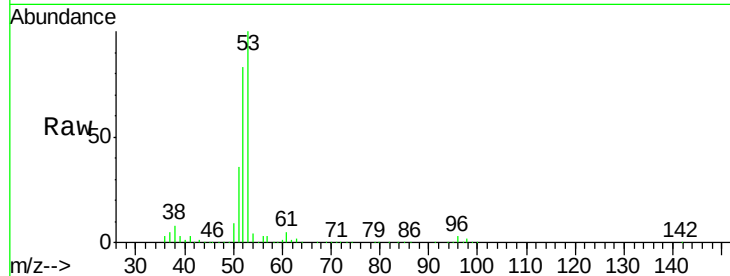
ClientSampleId :

S13-0282MS

Tot Ion:	53	Resp:	271828
Ion	Ratio	Lower	Upper
53	100		
52	81.7	67.0	100.4
51	36.9	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 269.336 ug/l

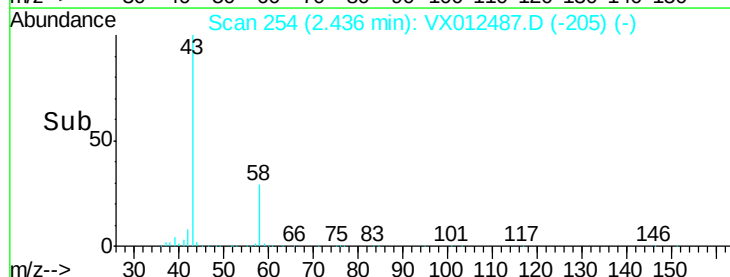
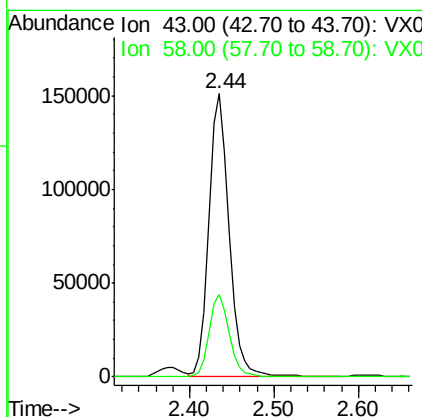
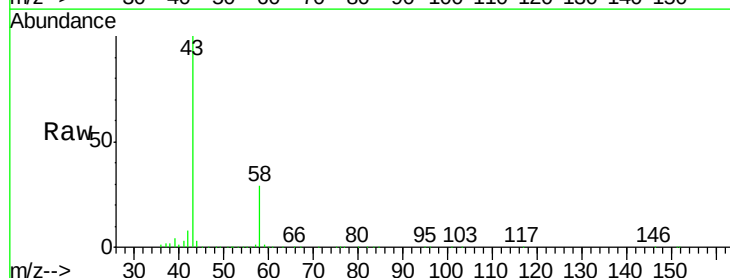
RT: 2.44 min Scan# 254

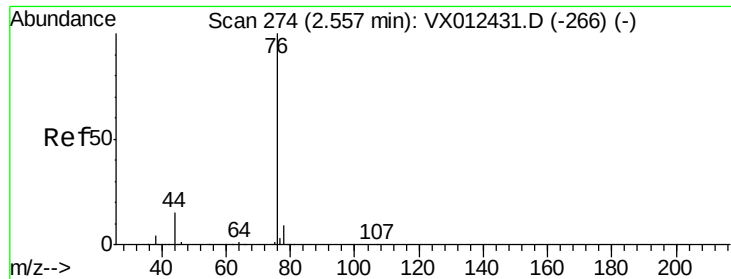
Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Tgt Ion:	43	Resp:	251744
Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.3	34.9





#17

Carbon Disulfide

Concen: 44.058 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MS

Tot Ion: 76 Resp: 55758

Ion Ratio Lower Upper

76 100

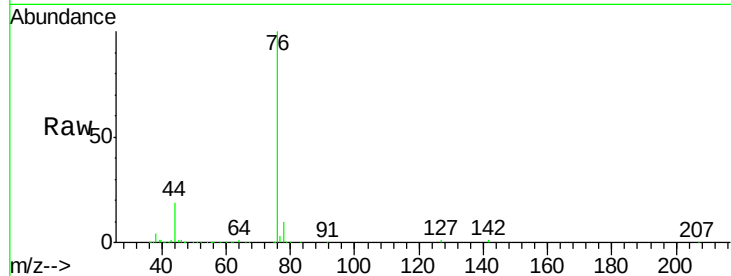
78 9.7 7.3 10.9

Manual Integrations

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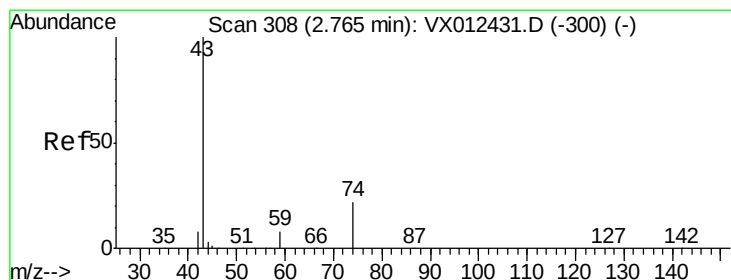
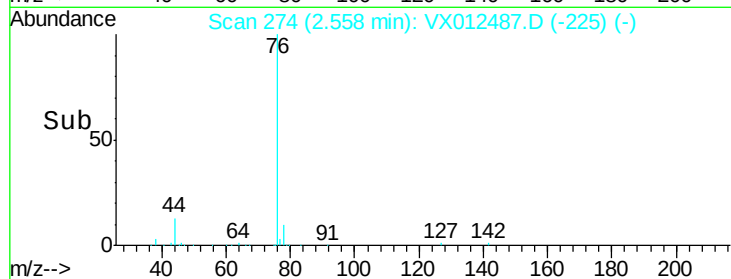
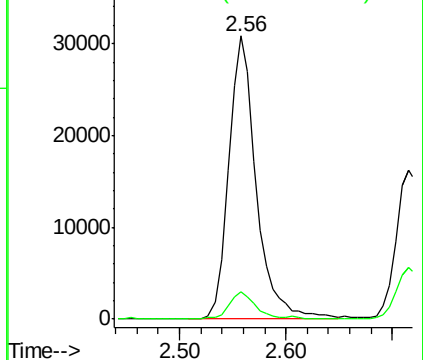
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 55.937 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012487.D

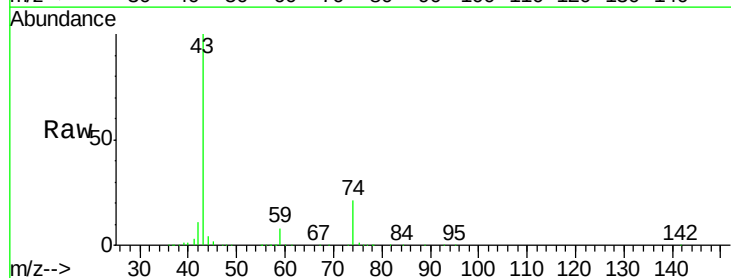
Acq: 18 Sep 2019 20:28

Tgt Ion: 43 Resp: 119508

Ion Ratio Lower Upper

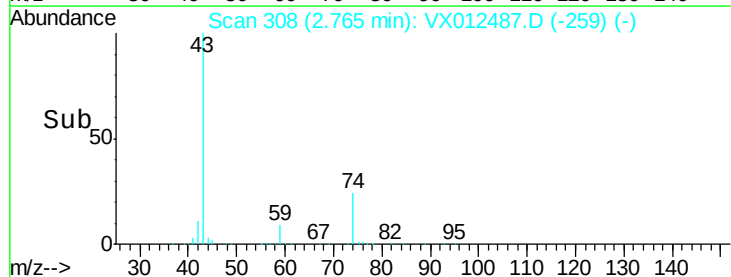
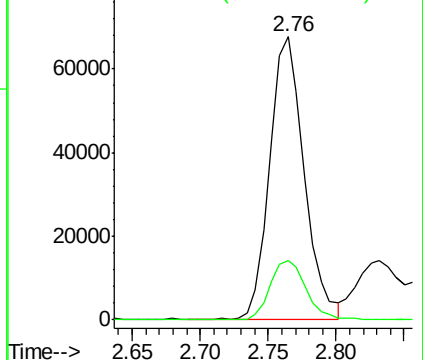
43 100

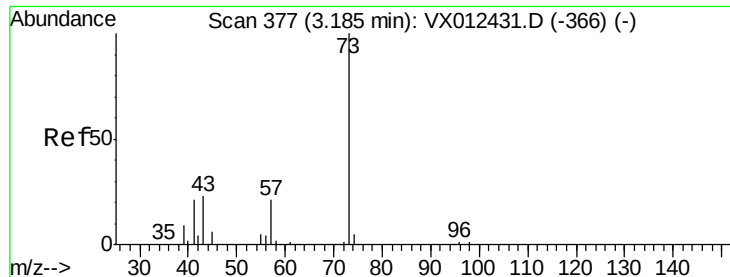
74 22.4 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





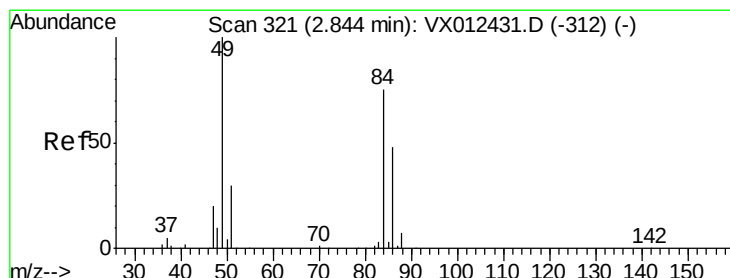
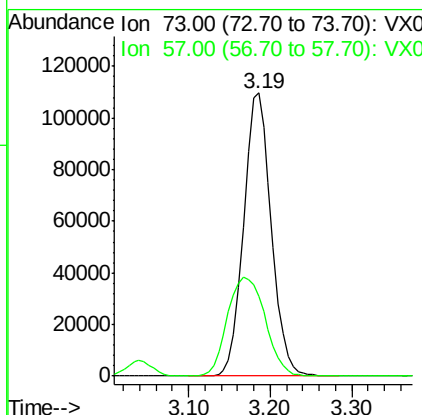
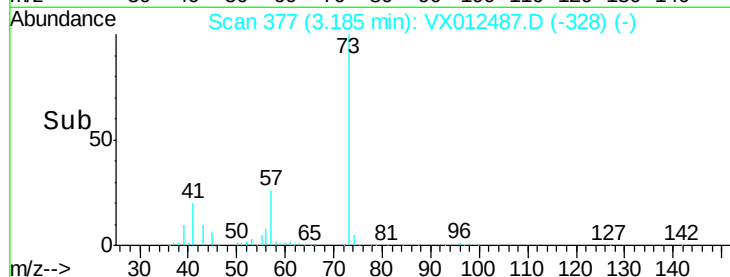
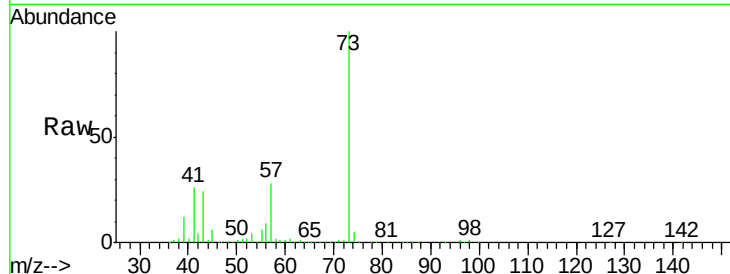
#19
Methyl tert-butyl Ether
Concen: 52.513 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	28.2	16.8	25.2#

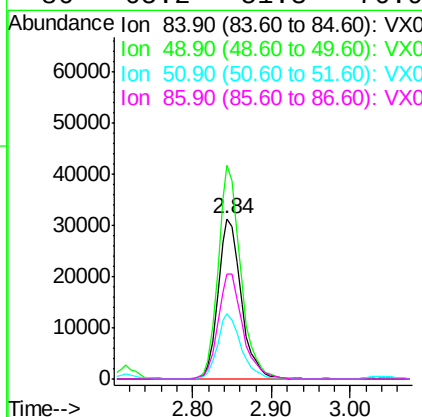
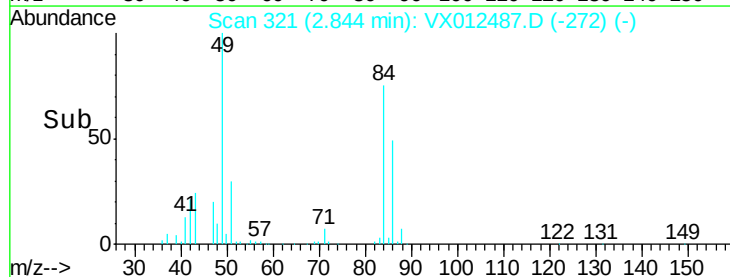
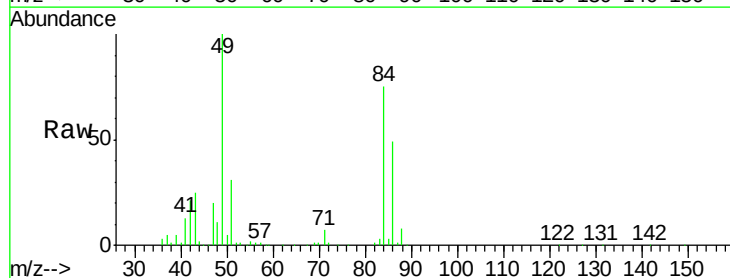
Manual Integrations
APPROVED

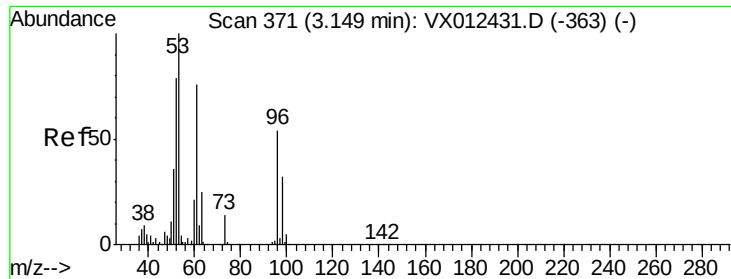
MMDadoda
9/19/2019 1:05:55 PM



#20
Methylene Chloride
Concen: 51.495 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.0	106.8	160.2
51	40.7	32.3	48.5
86	65.2	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 50.859 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

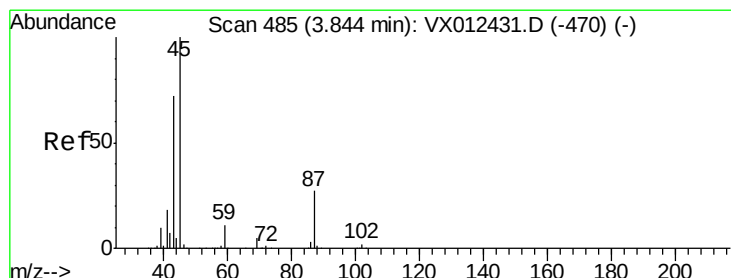
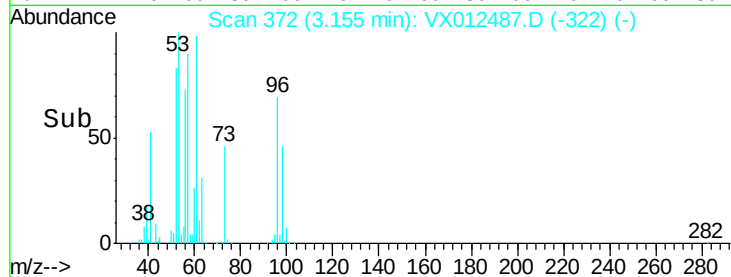
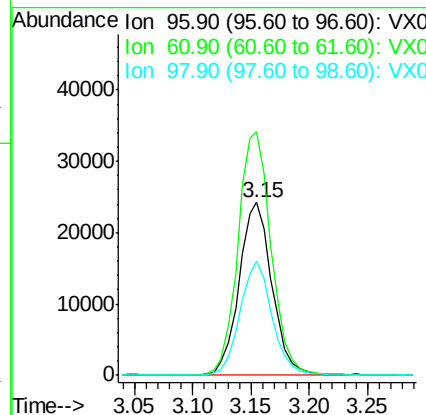
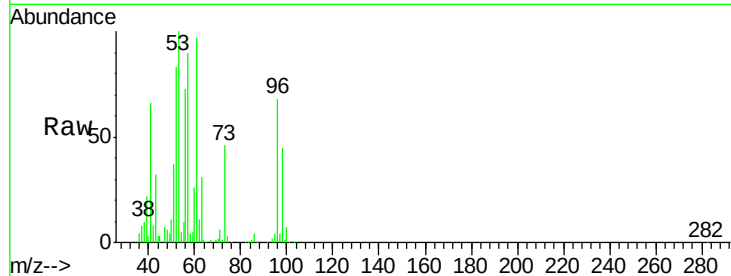
ClientSampleId :

S13-0282MS

Tot Ion:	96	Resp:	47501
Ion	Ratio	Lower	Upper
96	100		
61	140.6	112.0	168.0
98	65.9	47.8	71.8

Manual Integrations
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9/19/2019 1:05:55 PM



#22

Diisopropyl ether

Concen: 51.649 ug/l

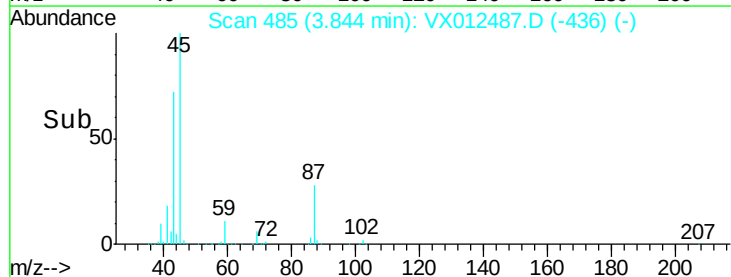
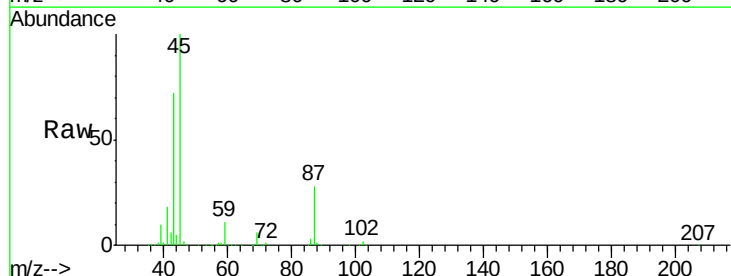
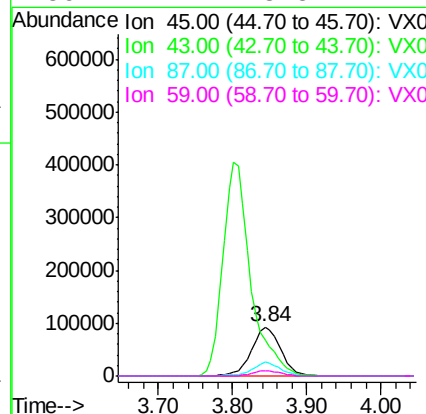
RT: 3.84 min Scan# 485

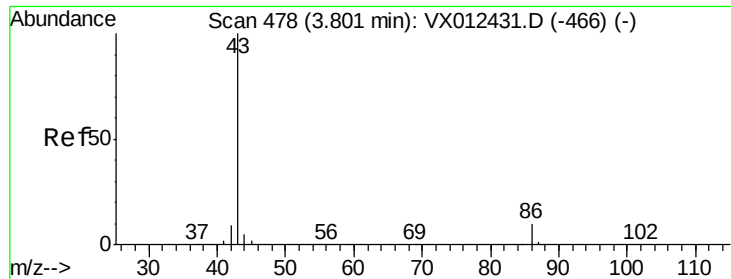
Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Tgt Ion:	45	Resp:	253227
Ion	Ratio	Lower	Upper
45	100		
43	71.9	57.8	86.8
87	27.6	21.3	31.9
59	11.2	8.5	12.7





#23

Vinyl Acetate

Concen: 261.313 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MS

Tot Ion: 43 Resp: 1053900

Ion Ratio Lower Upper

43 100

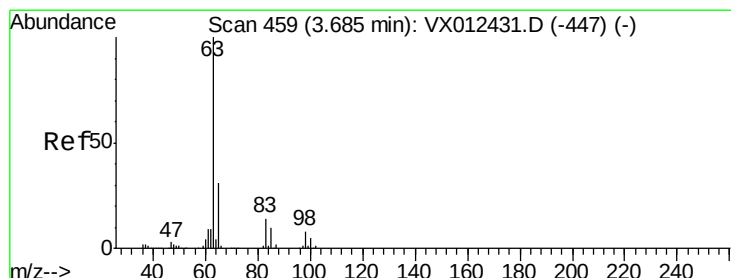
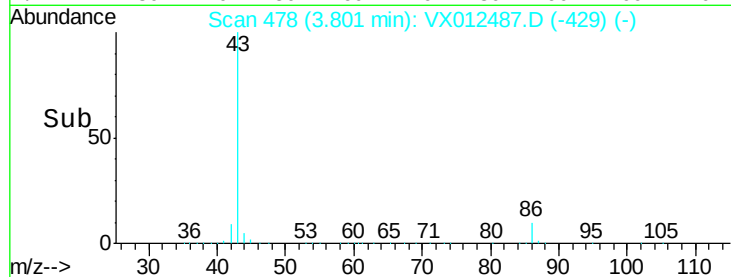
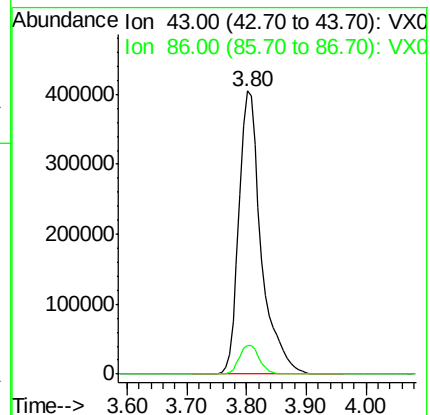
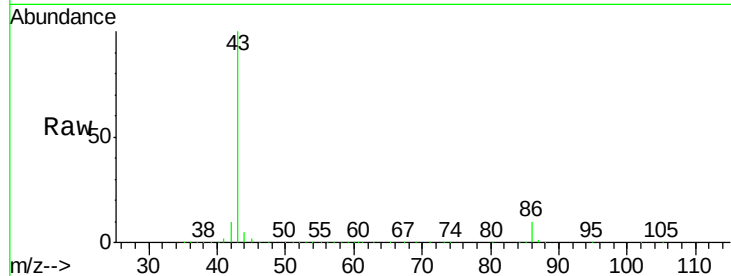
86 10.2 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:05:55 PM



#24

1,1-Dichloroethane

Concen: 52.124 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

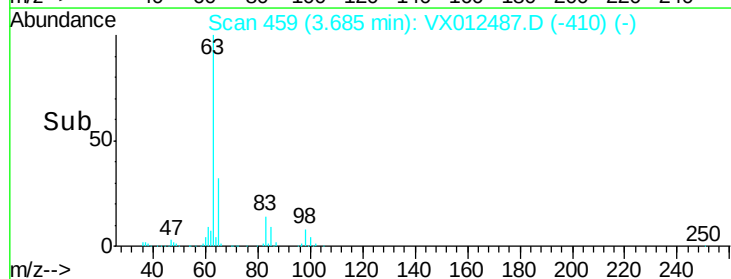
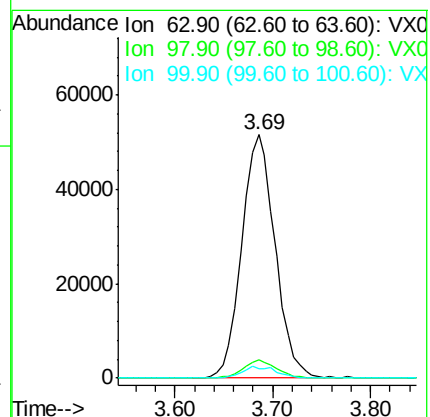
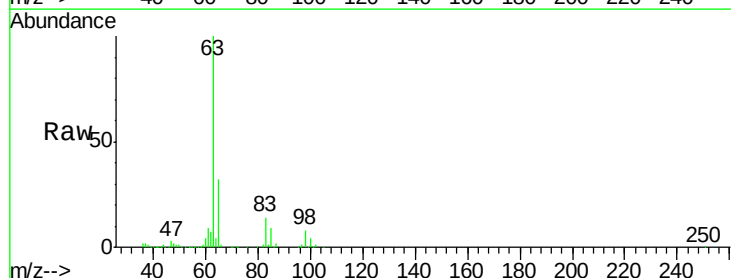
Tgt Ion: 63 Resp: 122273

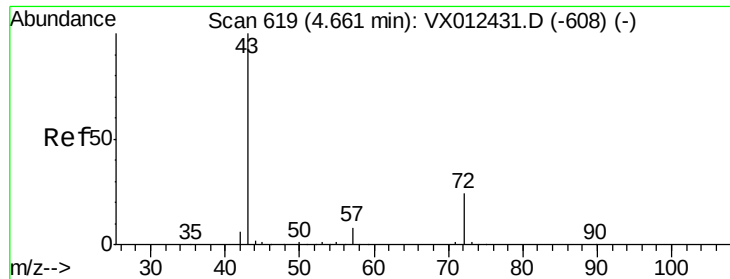
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

100 3.9 2.3 6.9





#25

2-Butanone

Concen: 276.537 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MS

Tot Ion: 43 Resp: 393294

Ion Ratio Lower Upper

43 100

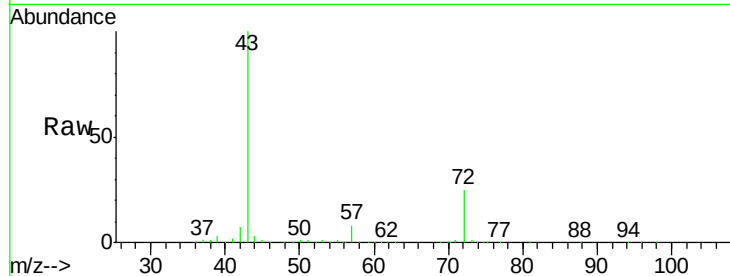
72 25.1 19.2 28.8

Manual Integrations

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MMDadoda

9/19/2019 1:05:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

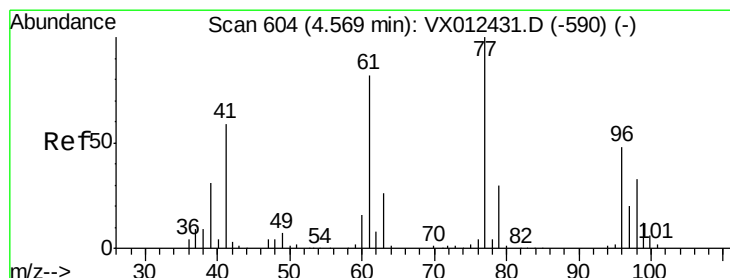
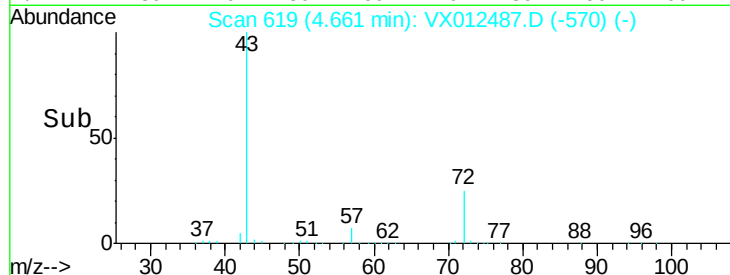
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 41.119 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012487.D

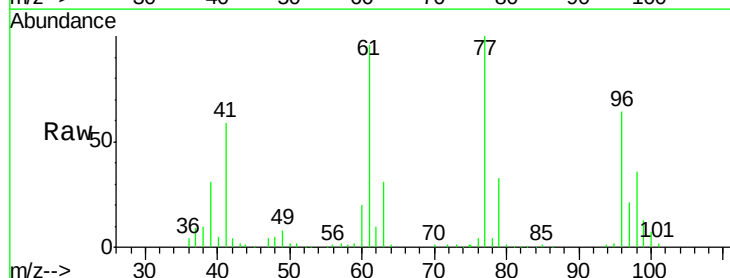
Acq: 18 Sep 2019 20:28

Tgt Ion: 77 Resp: 94864

Ion Ratio Lower Upper

77 100

97 22.6 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

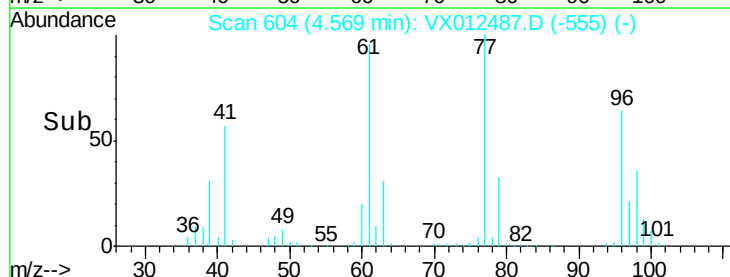
20000

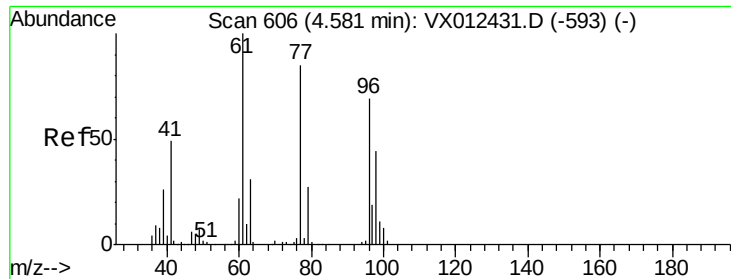
10000

0

4.50 4.60 4.70

Time-->





#27

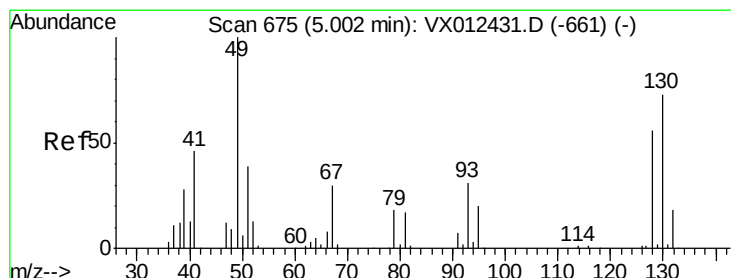
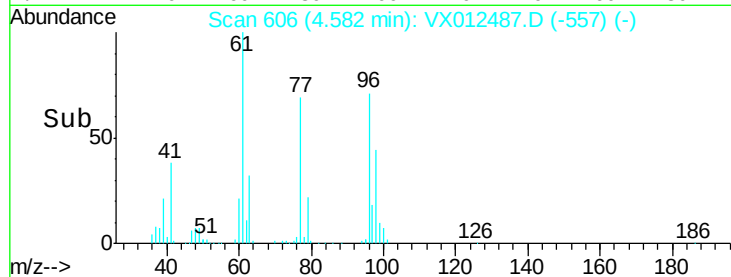
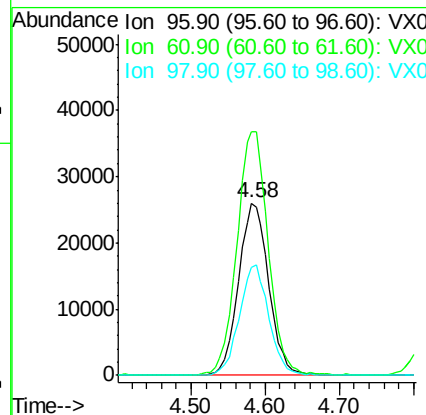
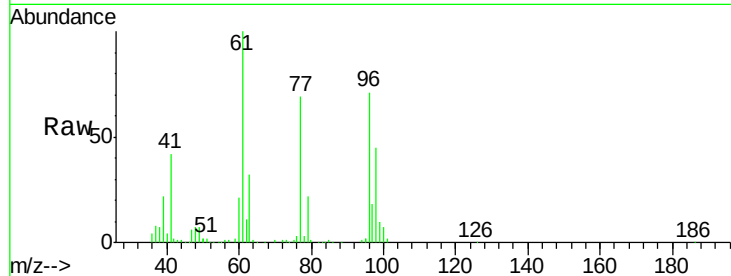
cis-1,2-Dichloroethene
 Concen: 52.675 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	319.4
98	63.2	0.0	130.6

Manual Integrations
 APPROVED

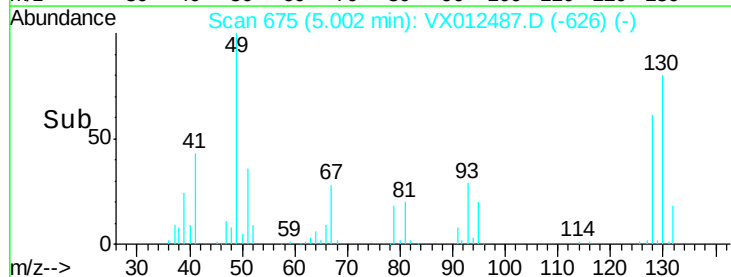
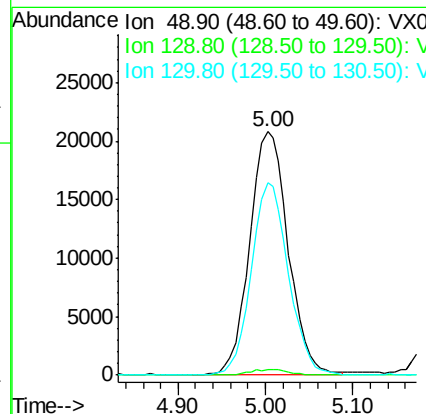
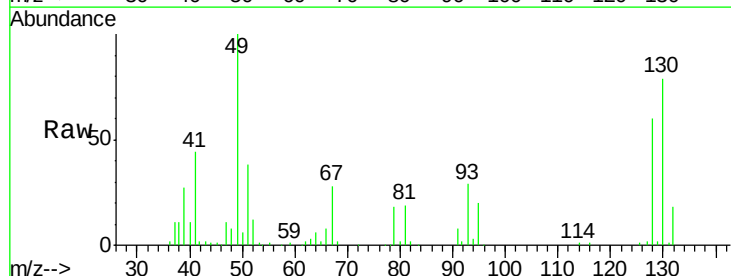
MMDadoda
 9/19/2019 1:05:55 PM

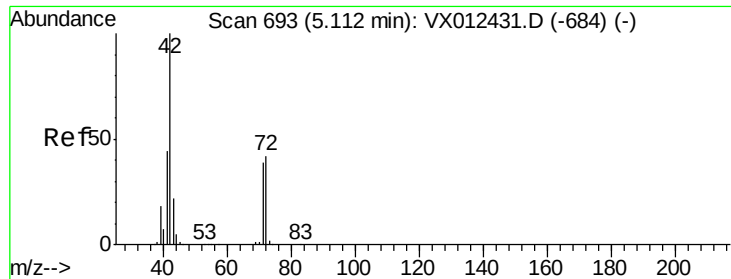


#28

Bromochloromethane
 Concen: 52.607 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	76.1	58.2	87.4





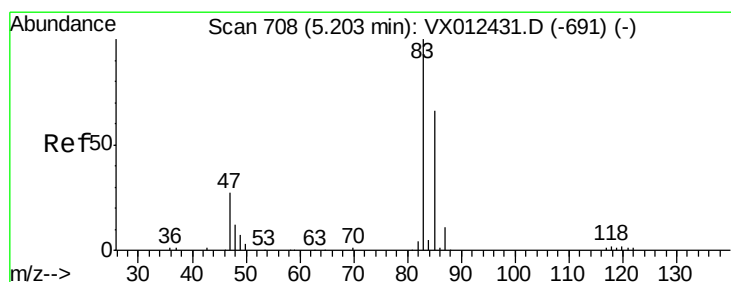
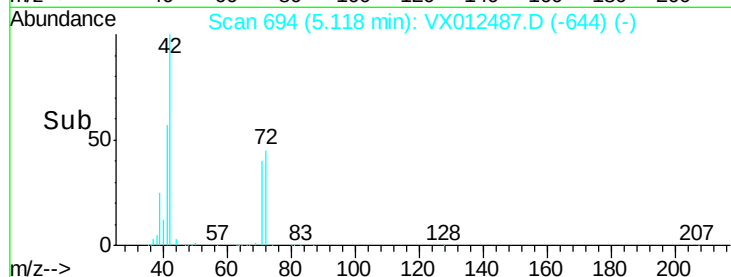
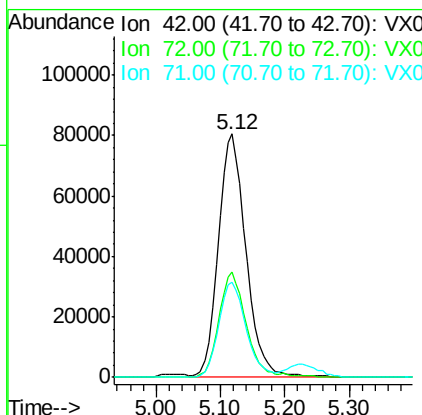
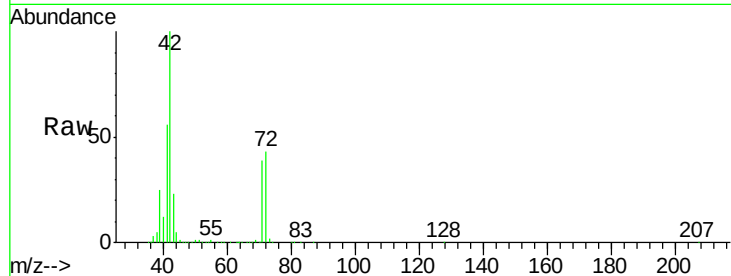
#29
Tetrahydrofuran
Concen: 306.632 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampled :
S13-0282MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.0	51.0
71	39.4	31.5	47.3

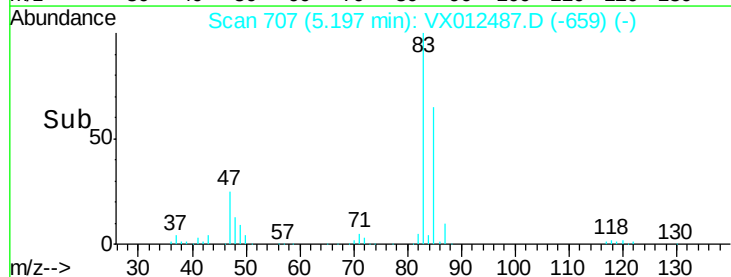
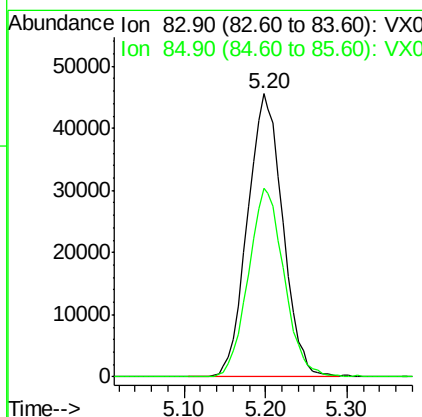
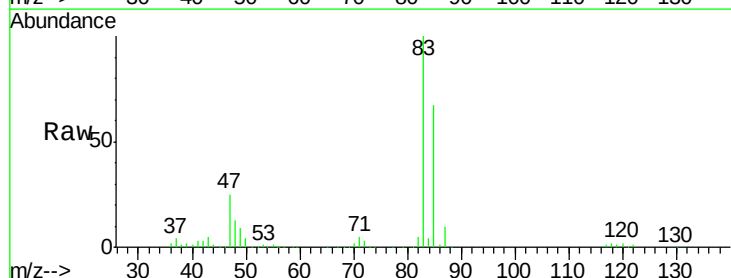
Manual Integrations
APPROVED

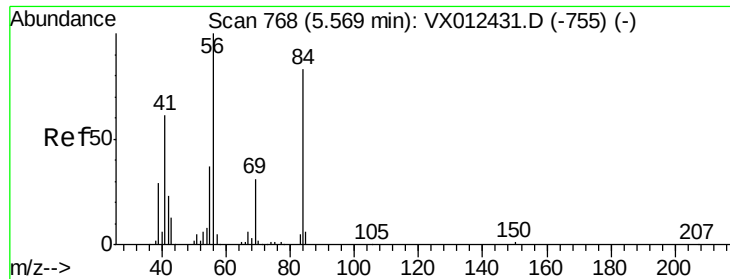
MMDadoda
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#30
Chloroform
Concen: 50.924 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.0	79.4





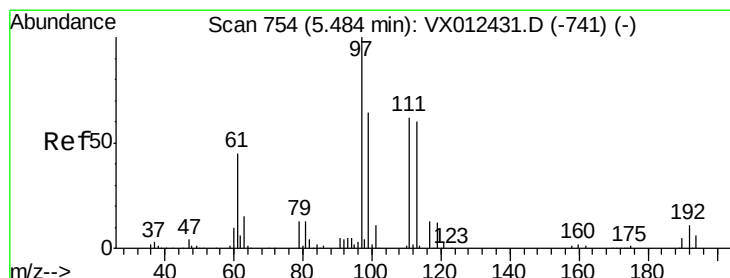
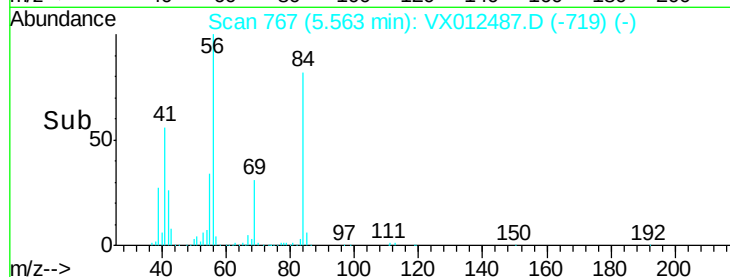
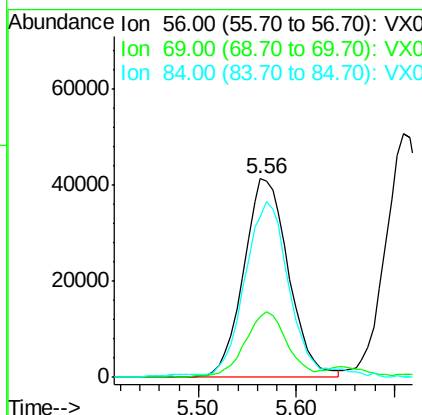
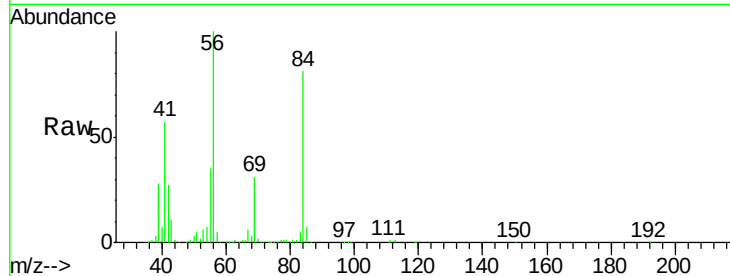
#31
Cyclohexane
Concen: 93.091 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.0	37.6
84	79.5	66.4	99.6

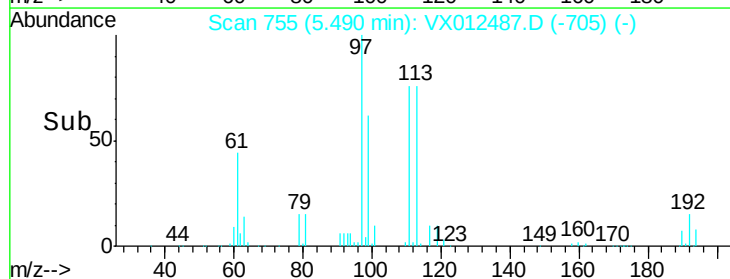
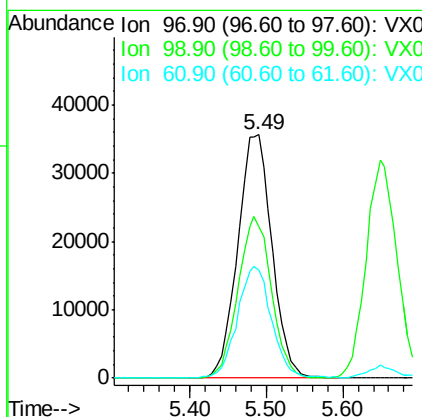
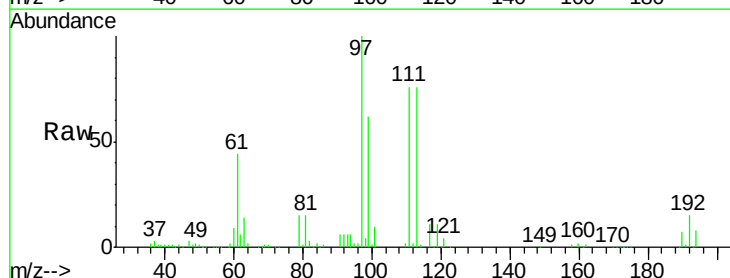
Manual Integrations
APPROVED

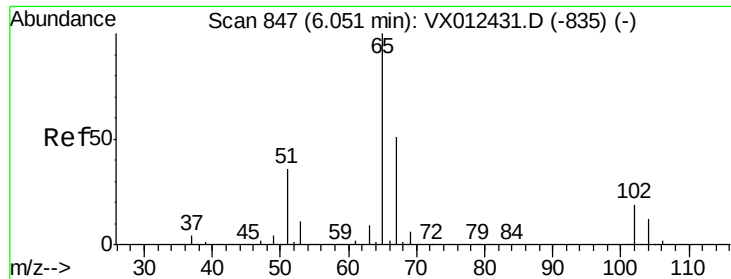
MMDadoda
9/19/2019 1:05:55 PM



#32
1,1,1-Trichloroethane
Concen: 49.179 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	45.8	36.1	54.1





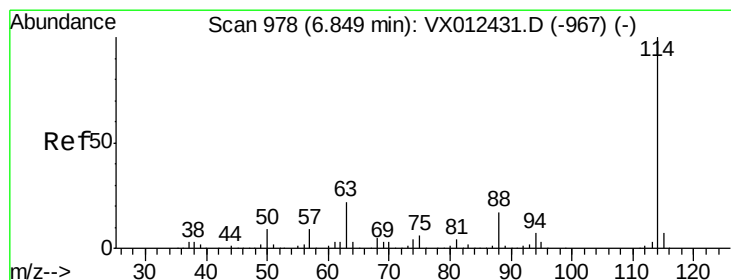
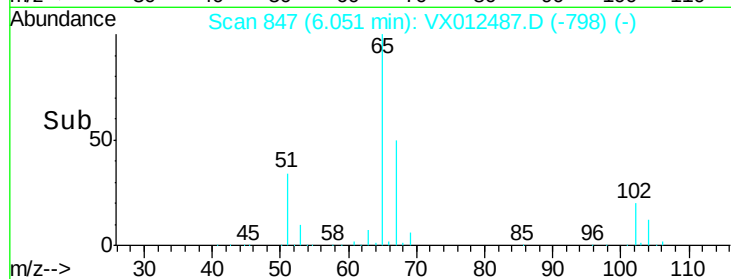
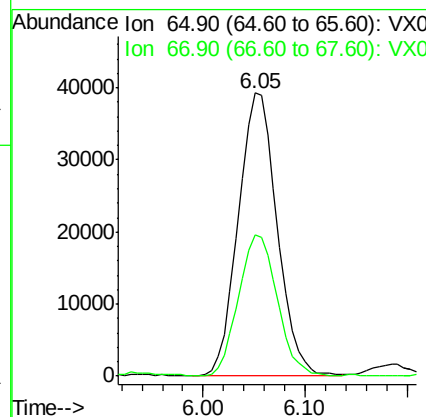
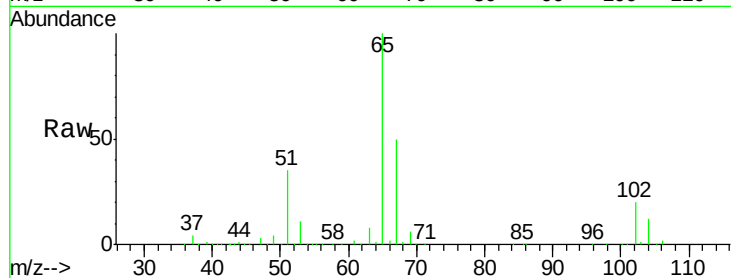
#33
 1,2-Dichloroethane-d4
 Concen: 50.696 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	103942		
67	49.3	0.0	101.2	

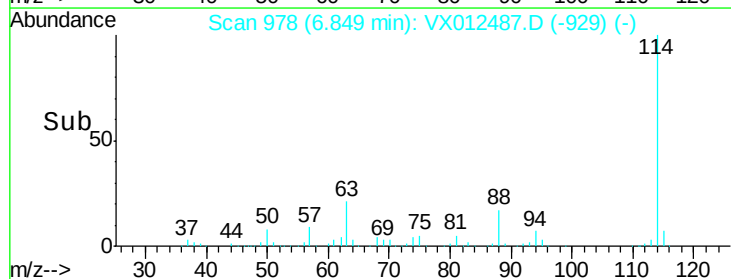
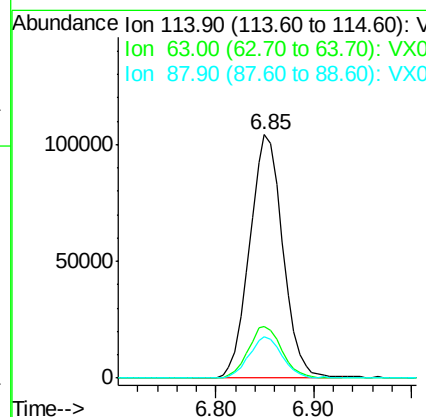
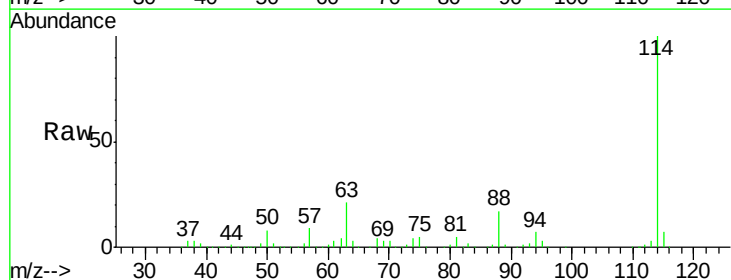
Manual Integrations
 APPROVED

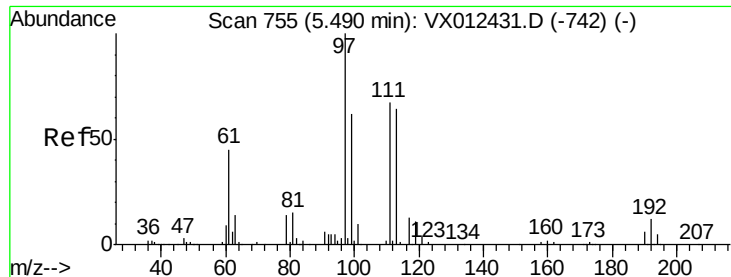
MMDadoda
 9/19/2019 1:05:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	246361		
63	21.1	0.0	43.2	
88	16.8	0.0	33.2	





#35

Dibromofluoromethane

Concen: 51.278 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

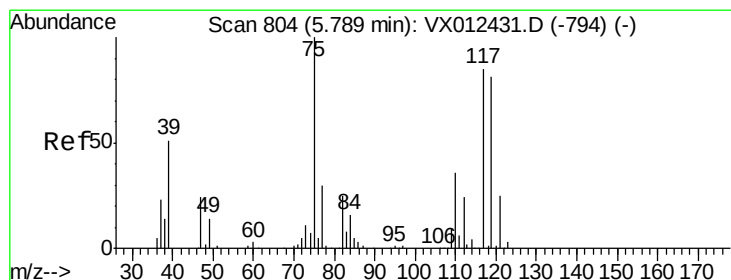
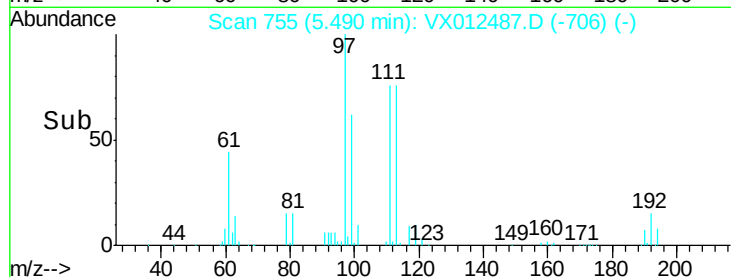
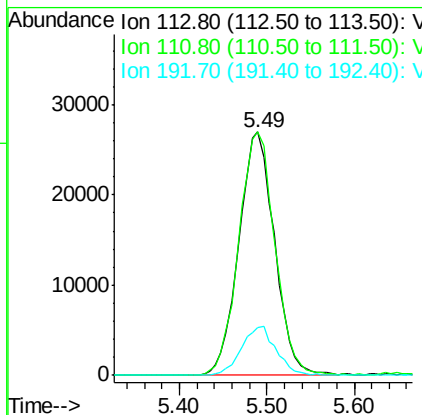
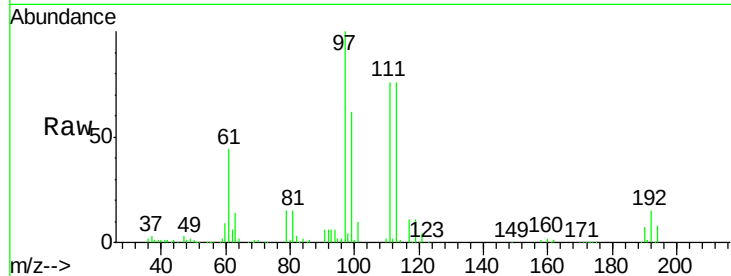
ClientSampleId :

S13-0282MS

Tot Ion:	113	Resp:	76462
Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.4	125.2
192	19.6	14.4	21.6

Manual Integrations
APPROVED

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#36

1,1-Dichloropropene

Concen: 47.979 ug/l

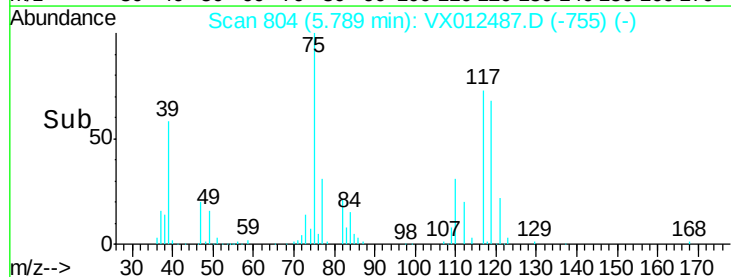
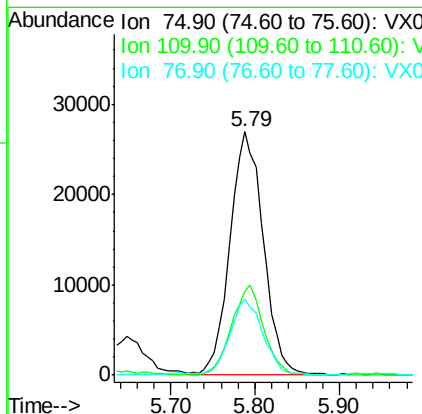
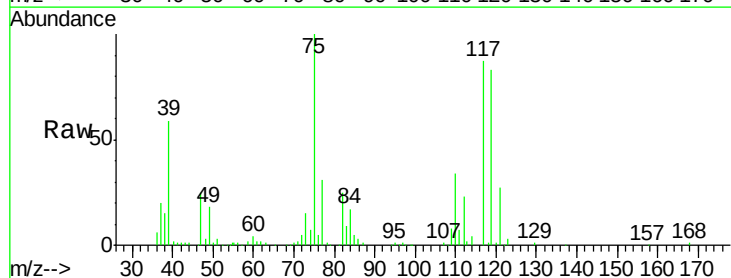
RT: 5.79 min Scan# 804

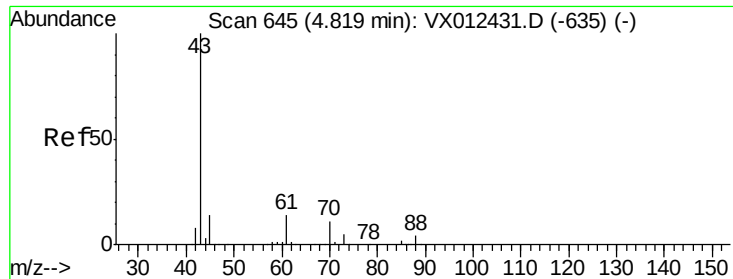
Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Tgt Ion:	75	Resp:	71837
Ion	Ratio	Lower	Upper
75	100		
110	35.6	16.7	50.0
77	31.0	24.2	36.2





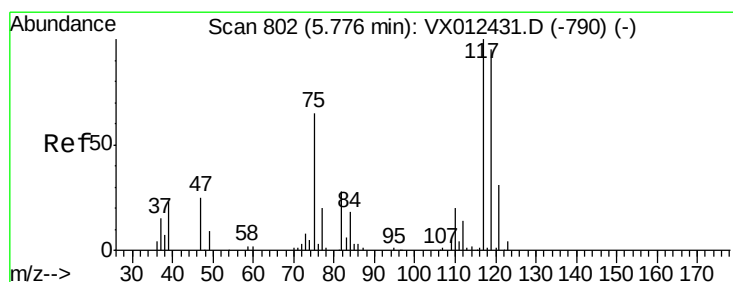
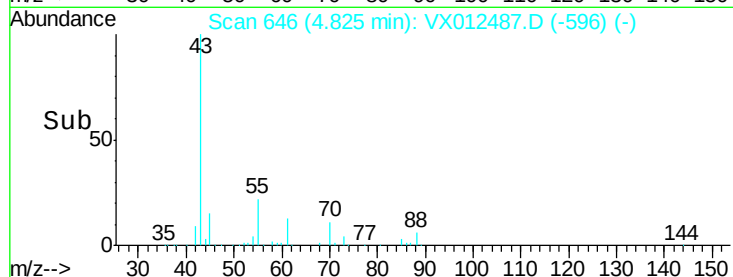
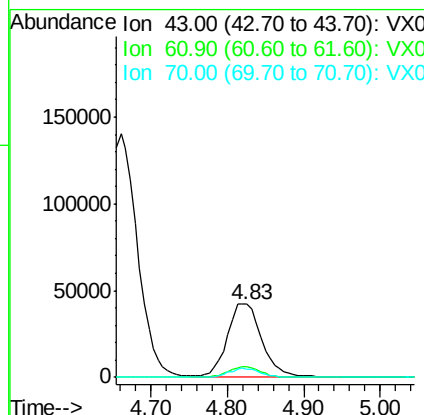
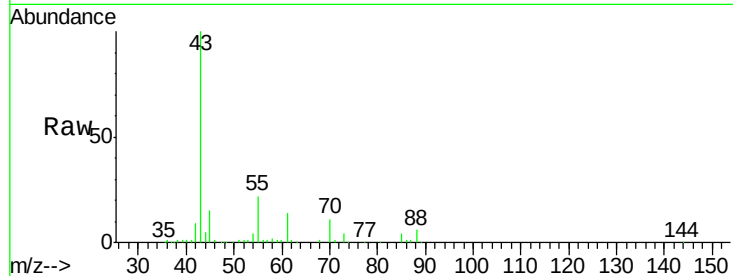
#37
Ethyl Acetate
Concen: 56.631 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.2	15.4
70	11.7	8.7	13.1

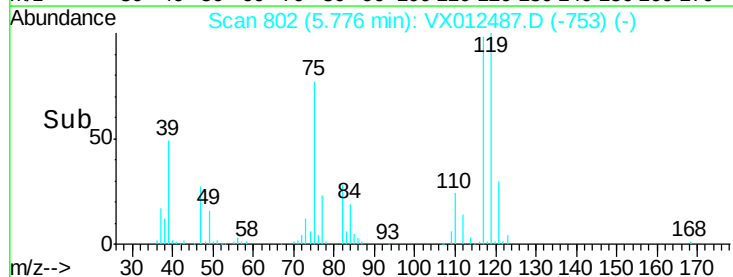
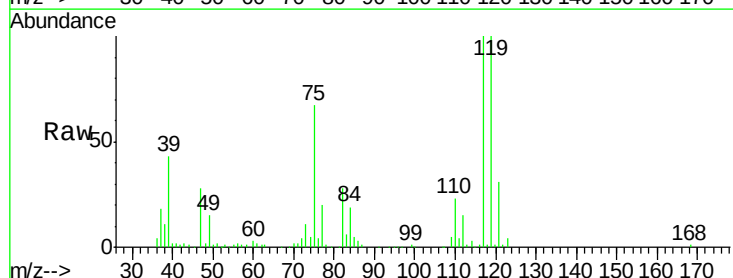
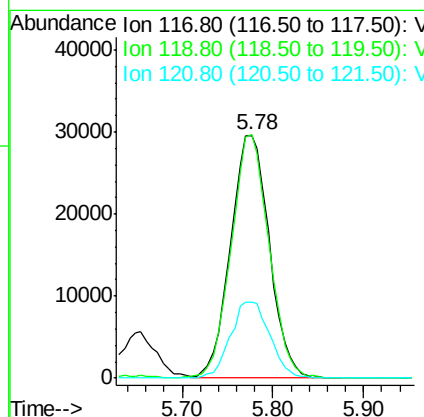
Manual Integrations
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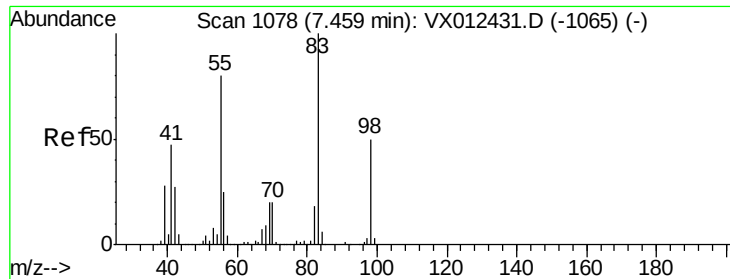
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#38
Carbon Tetrachloride
Concen: 47.227 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	75.7	113.5
121	31.5	24.2	36.4





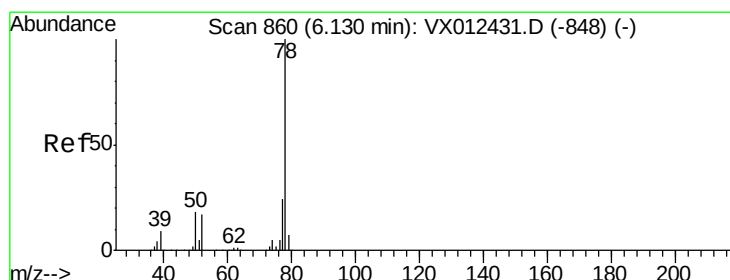
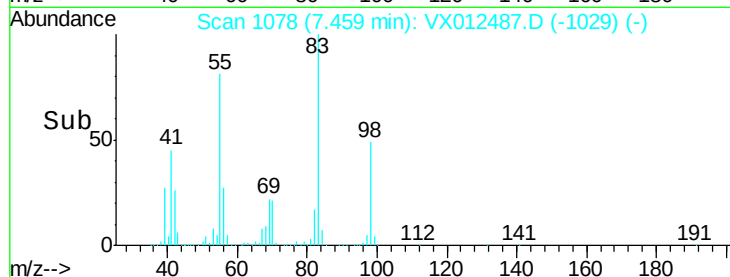
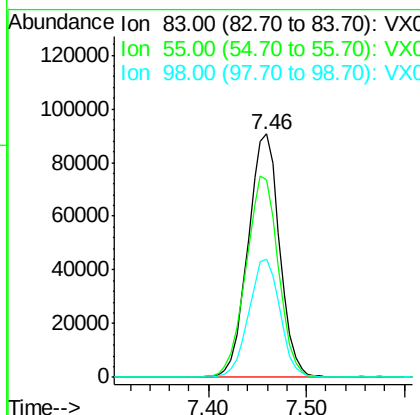
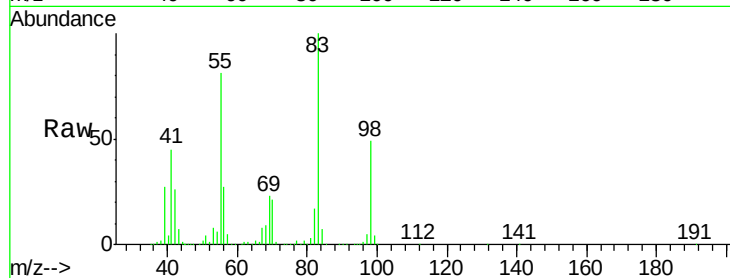
#39
Methylvlcyclohexane
Concen: 139.768 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	203438		
55	81.1	64.4	96.6	
98	48.5	40.1	60.1	

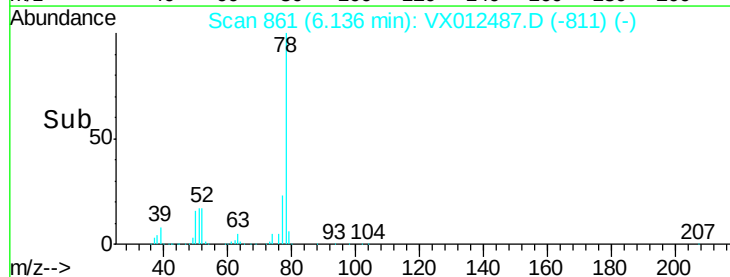
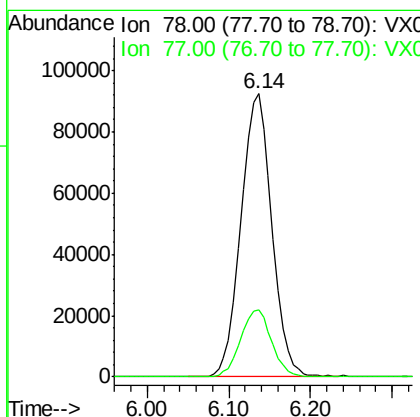
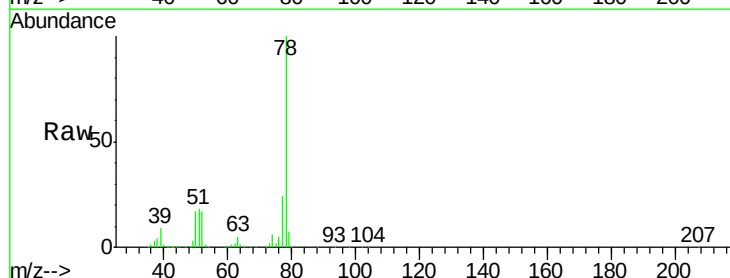
Manual Integrations
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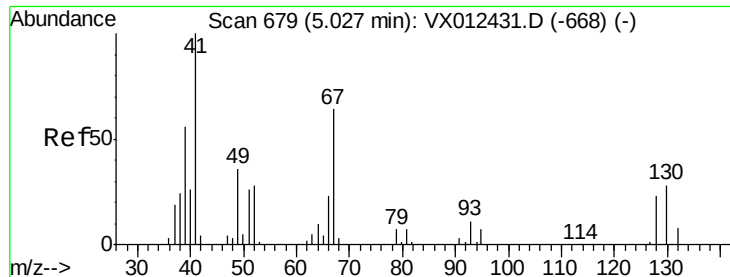
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#40
Benzene
Concen: 51.003 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	242835		
77	23.5	19.2	28.8	





#41

Methacrylonitrile

Concen: 53.691 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MS

Tot Ion: 41 Resp: 79456

Ion Ratio Lower Upper

41 100

39 55.3 46.0 69.0

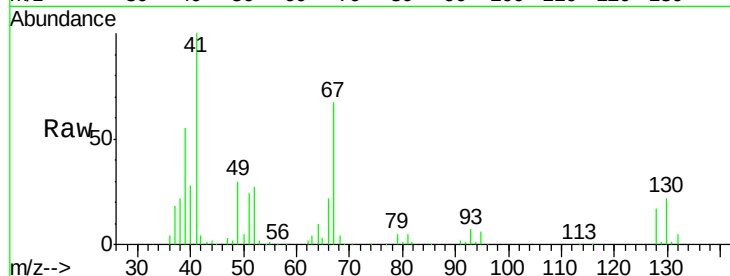
67 67.6 52.2 78.2

52 28.8 22.7 34.1

Manual Integrations
APPROVED

MMDadoda

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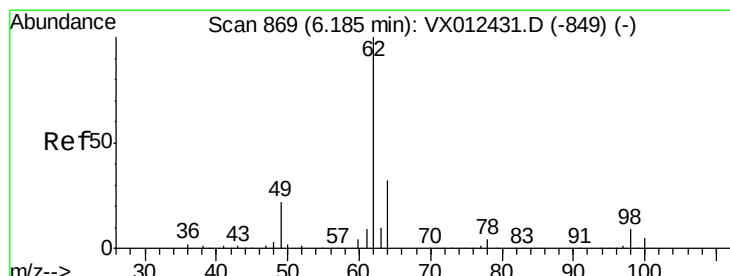
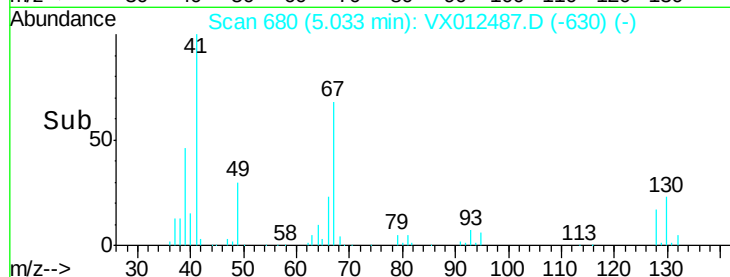
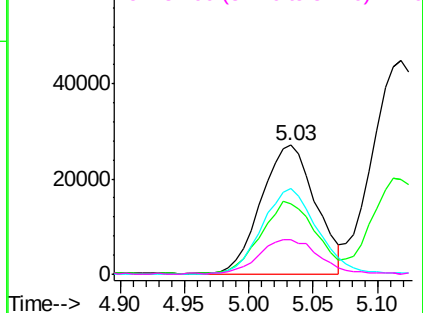


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 50.051 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012487.D

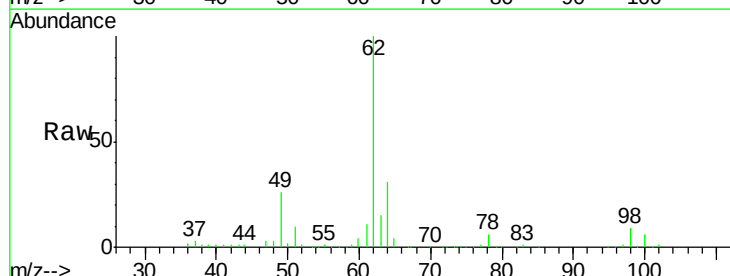
Acq: 18 Sep 2019 20:28

Tgt Ion: 62 Resp: 110529

Ion Ratio Lower Upper

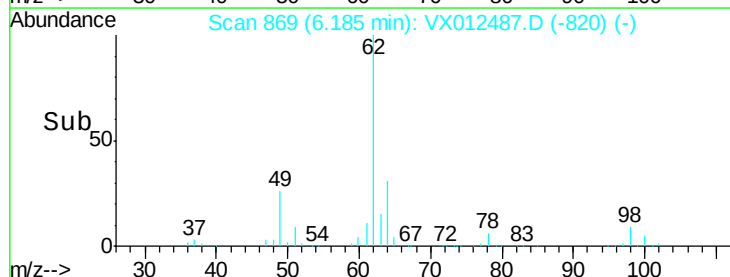
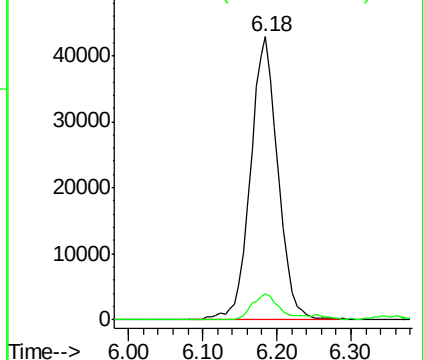
62 100

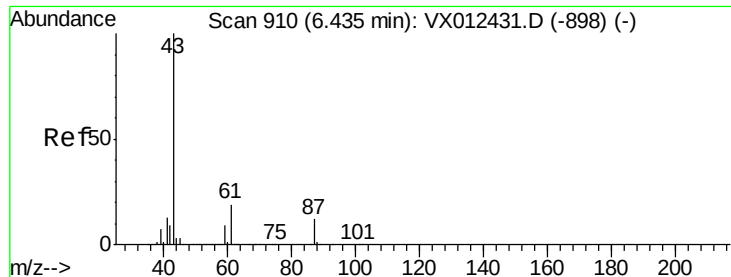
98 9.2 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





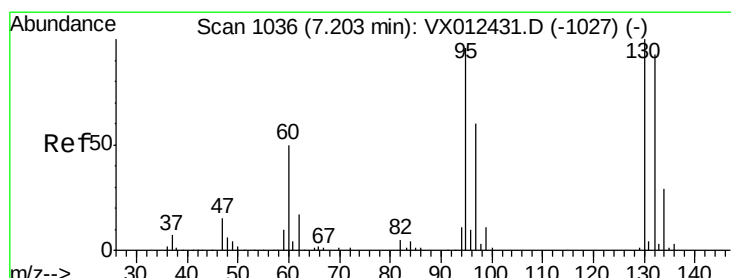
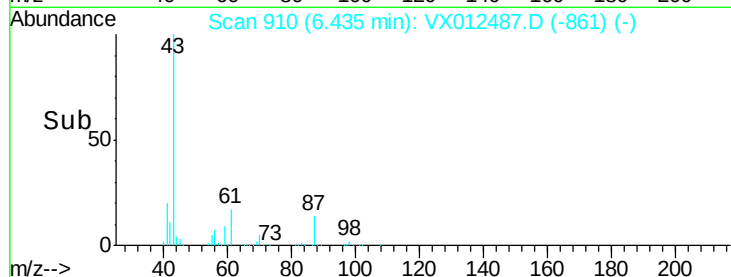
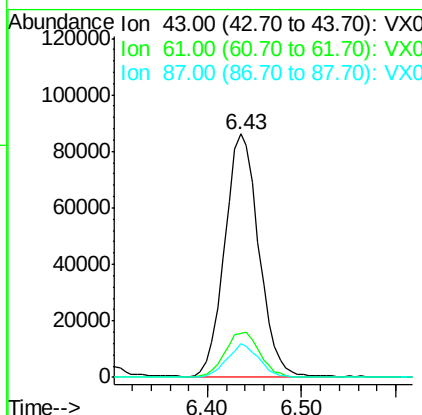
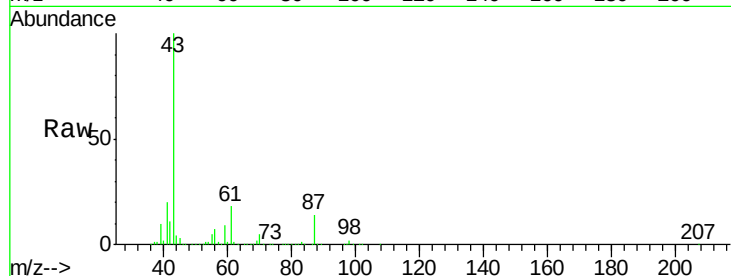
#43
Isopropyl Acetate
Concen: 52.219 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	13.2	9.8	14.8

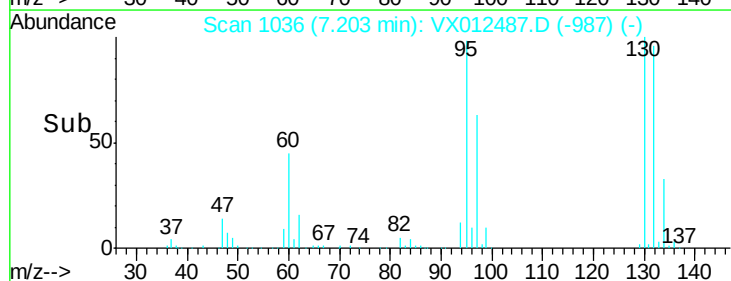
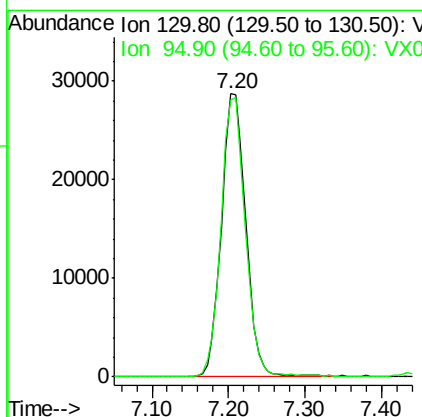
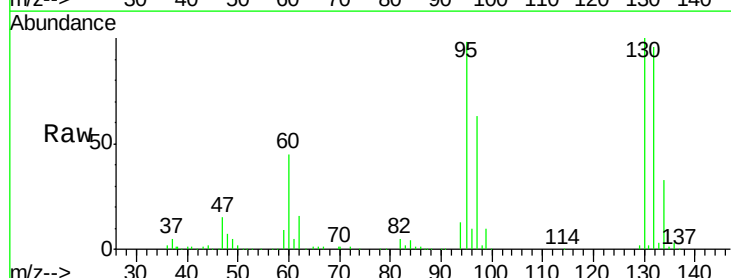
Manual Integrations
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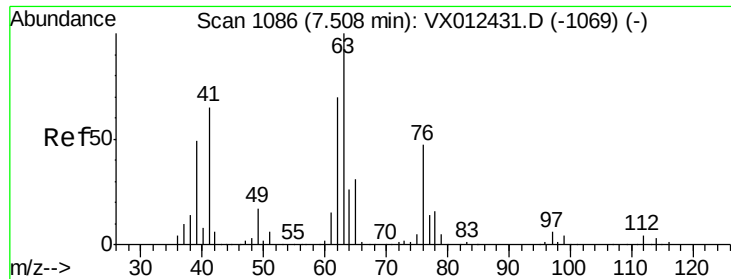
MMDadoda
9/19/2019 1:05:55 PM



#44
Trichloroethene
Concen: 50.616 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	193.0





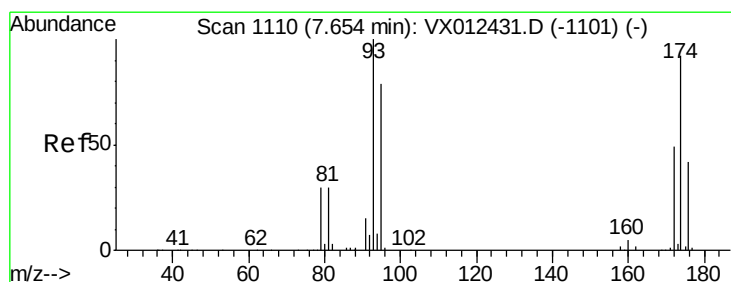
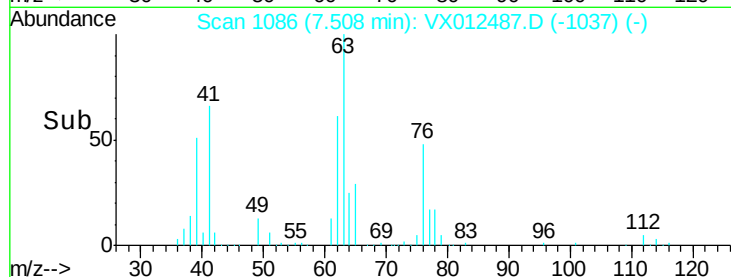
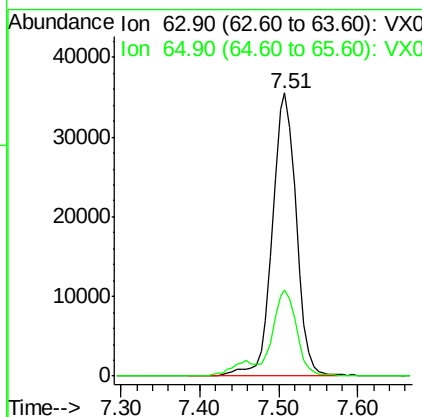
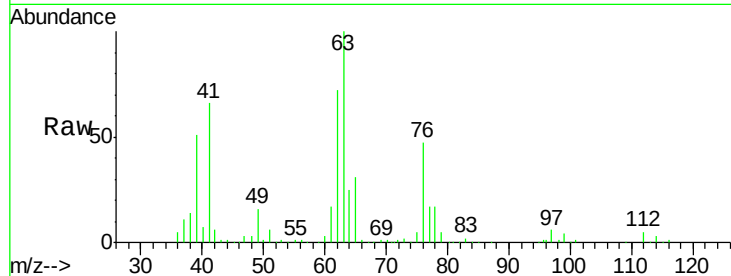
#45
 1,2-Dichloropropane
 Concen: 51.379 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Tot Ion: 63 Resp: 75156
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.6

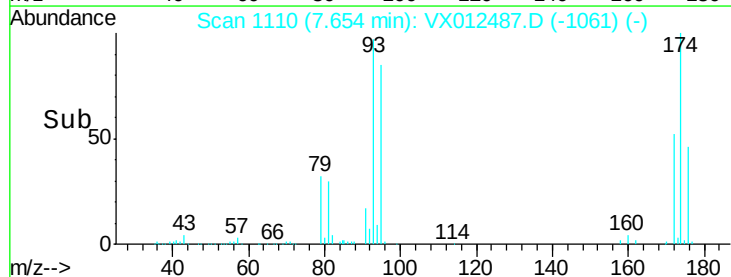
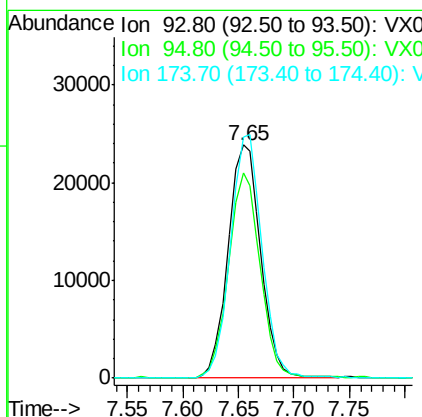
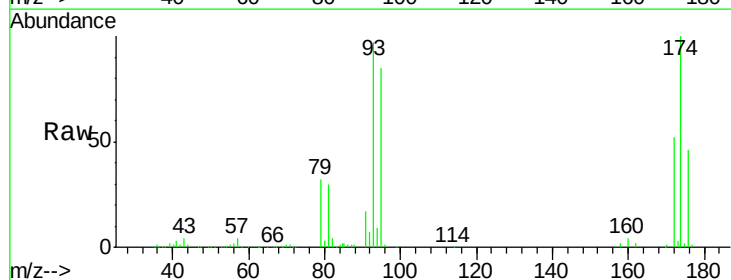
Manual Integrations
 APPROVED

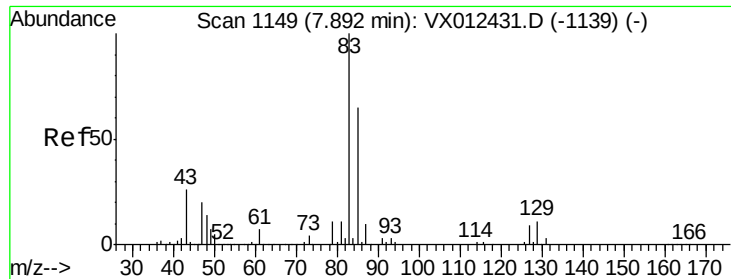
MMDadoda
 9/19/2019 1:05:55 PM



#46
 Dibromomethane
 Concen: 51.247 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Tgt Ion: 93 Resp: 48510
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.6 100.0
 174 100.6 77.4 116.0





#47

Bromodichloromethane

Concen: 51.429 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

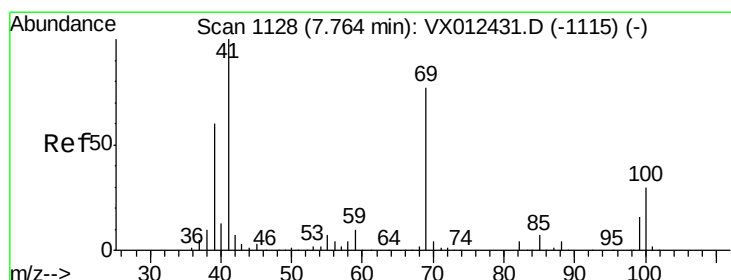
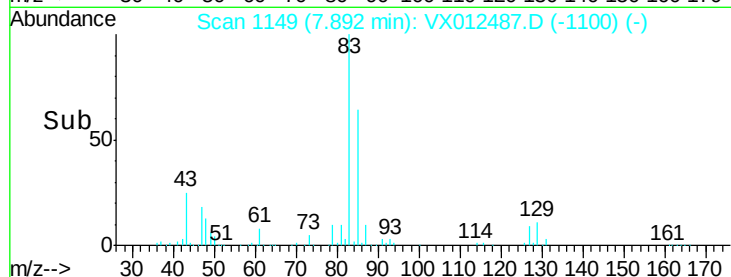
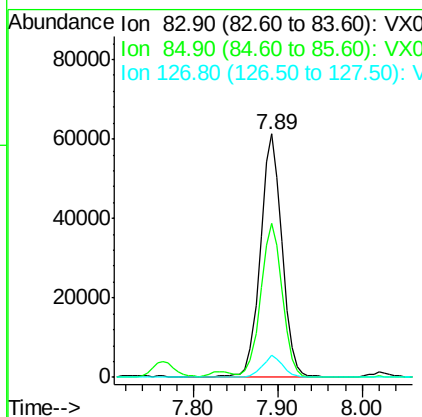
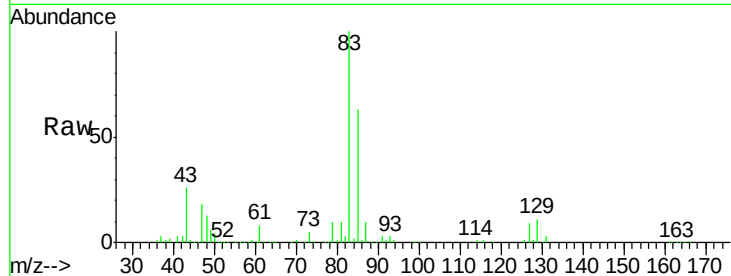
ClientSampleId :

S13-0282MS

Tot Ion:	83	Resp:	108395
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.8	77.6
127	9.0	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
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#48

Methyl methacrylate

Concen: 56.864 ug/l

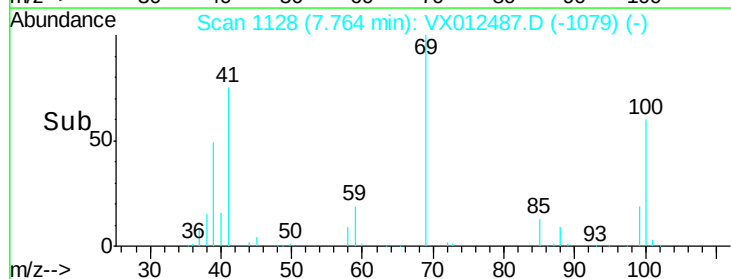
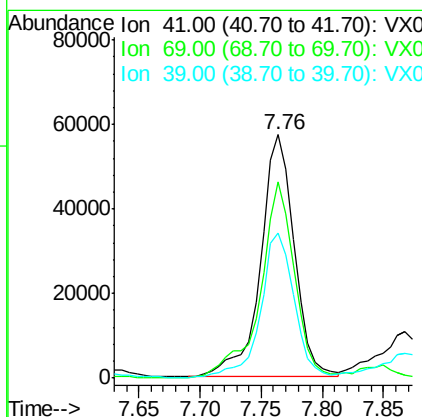
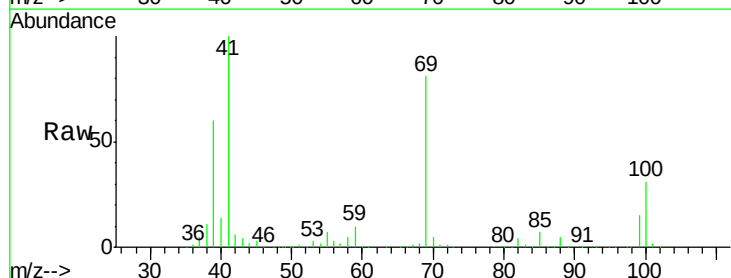
RT: 7.76 min Scan# 1128

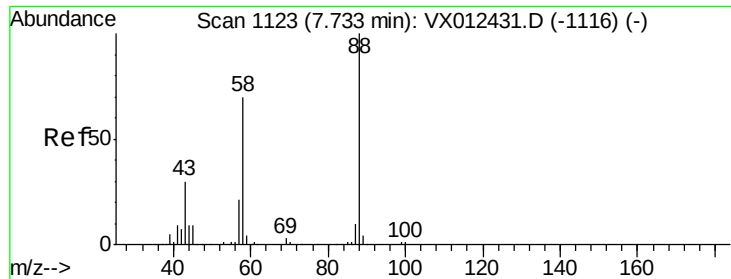
Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Tgt Ion:	41	Resp:	110571
Ion Ratio	Lower	Upper	
41	100		
69	82.5	59.9	89.9
39	58.7	47.8	71.6





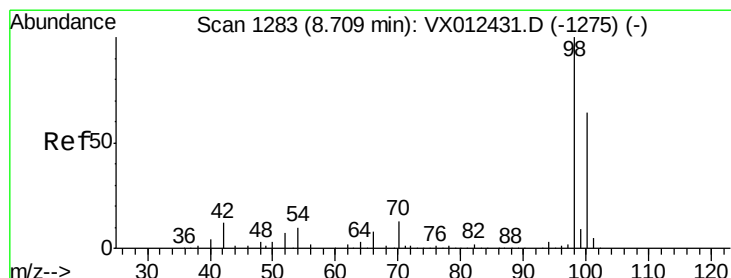
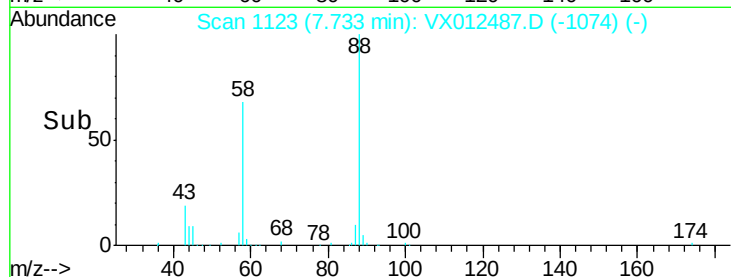
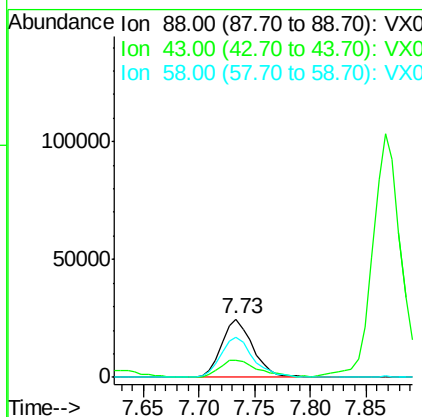
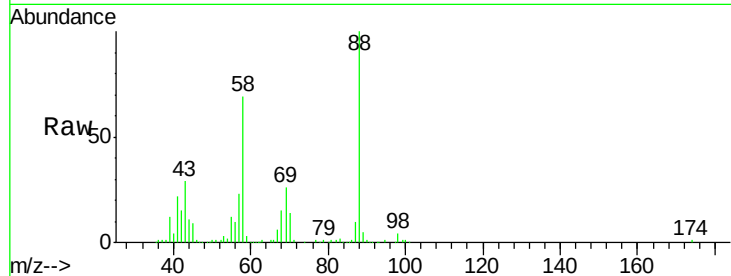
#49
1,4-Dioxane
Concen: 1016.659 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampled :
S13-0282MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	29.4	44.0
58	71.0	57.5	86.3

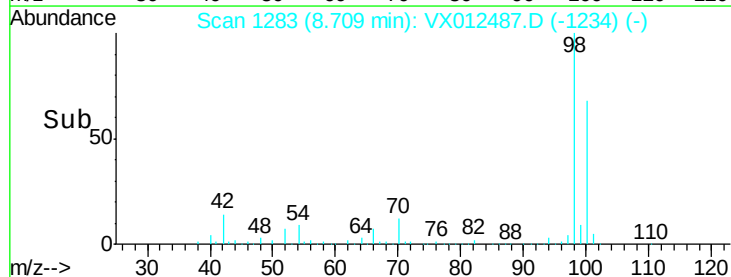
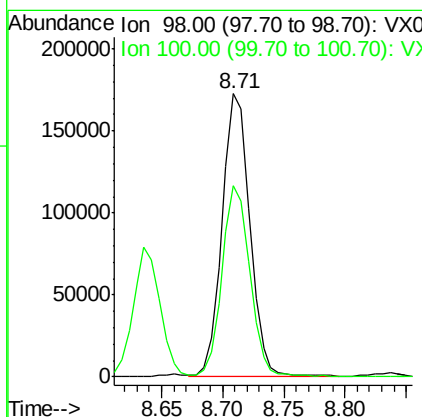
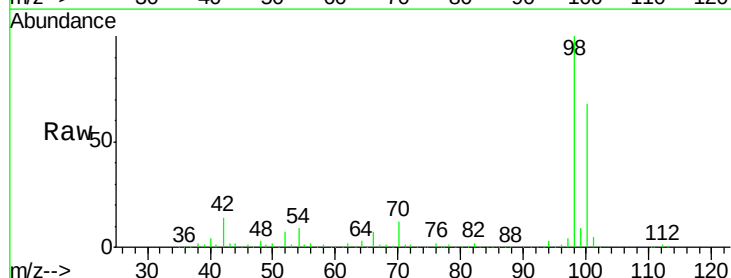
Manual Integrations
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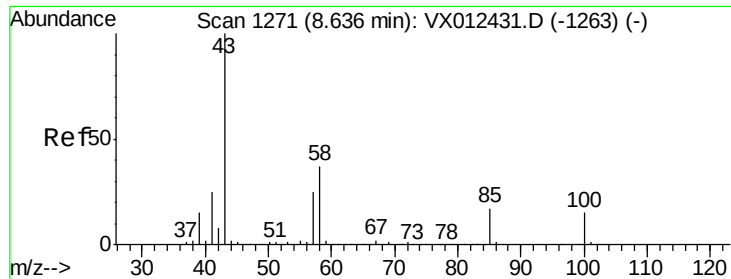
MMDadoda
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#50
Toluene-d8
Concen: 48.752 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.4	80.2





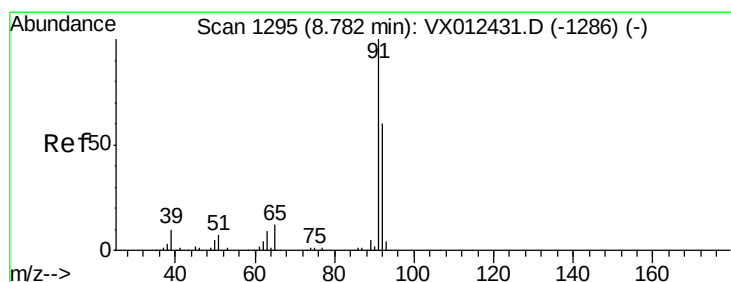
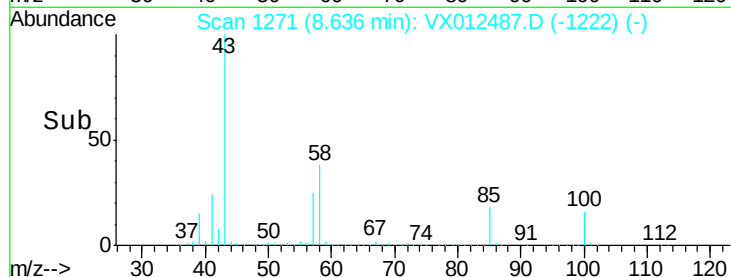
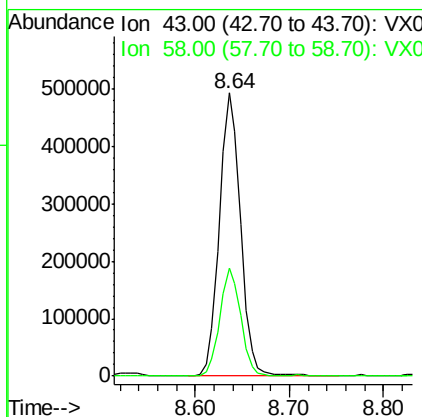
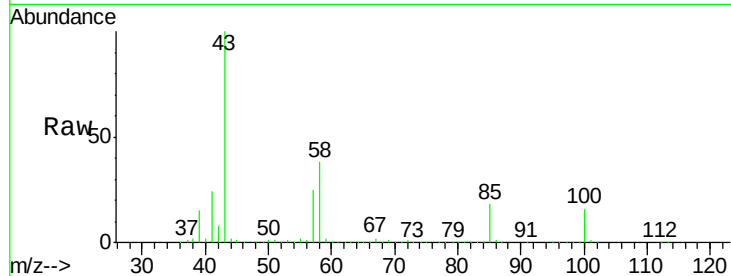
#51
4-Methyl-2-Pentanone
Concen: 283.544 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampled :
S13-0282MS

Tot Ion: 43 Resp: 767032
Ion Ratio Lower Upper
43 100
58 37.5 29.8 44.6

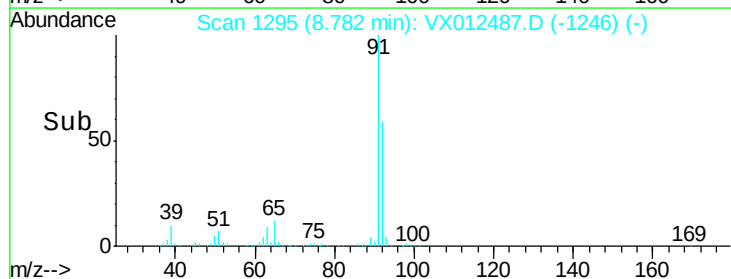
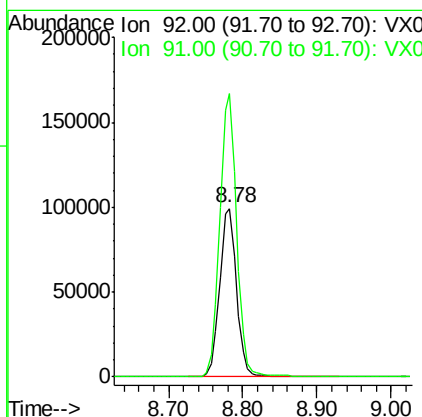
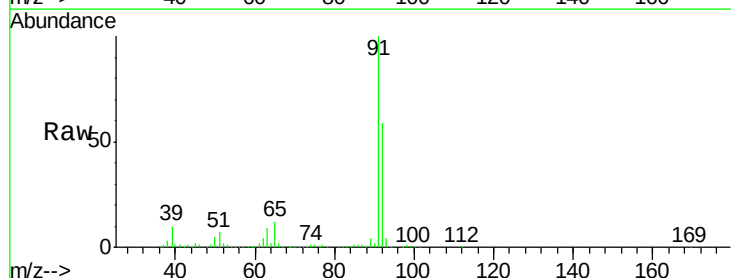
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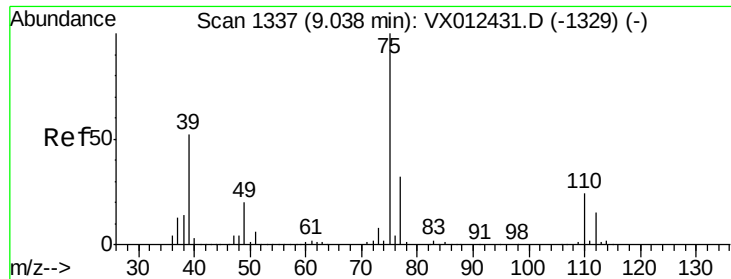
MMDadoda
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#52
Toluene
Concen: 50.852 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion: 92 Resp: 156014
Ion Ratio Lower Upper
92 100
91 167.3 135.4 203.0





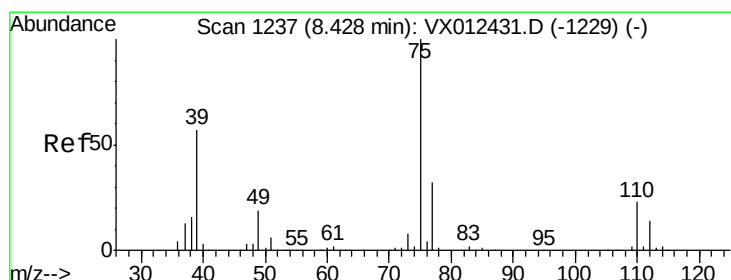
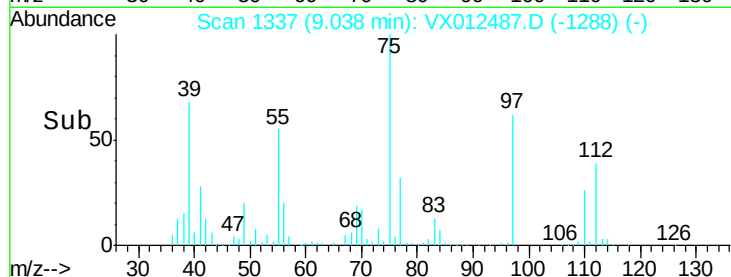
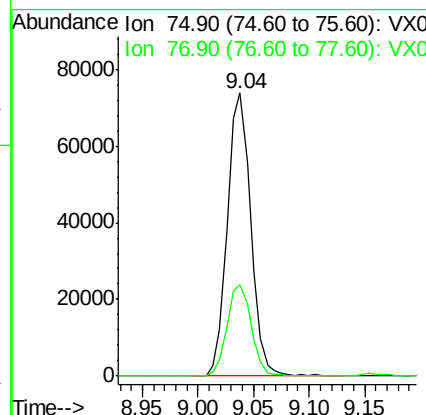
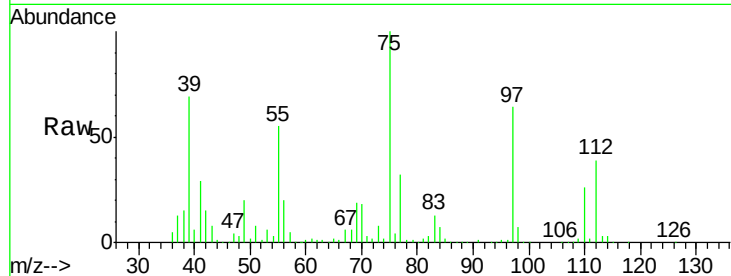
#53
t-1,3-Dichloropropene
Concen: 49.239 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion: 75 Resp: 107879
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8

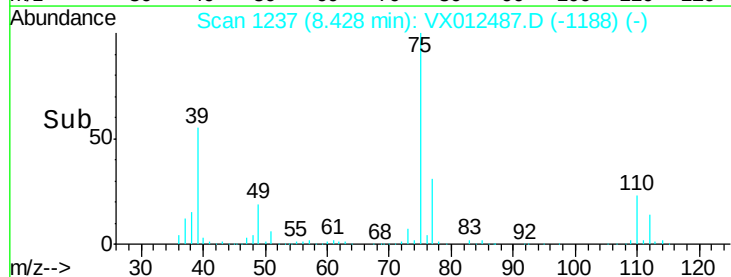
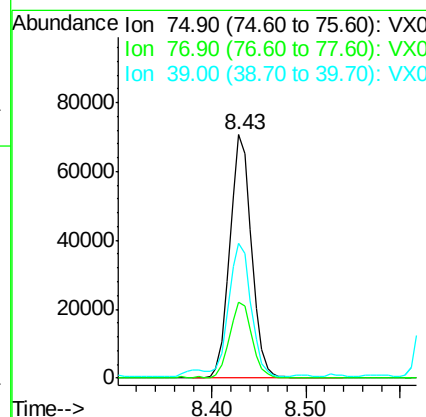
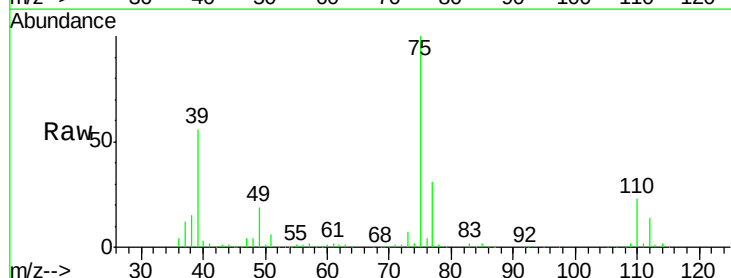
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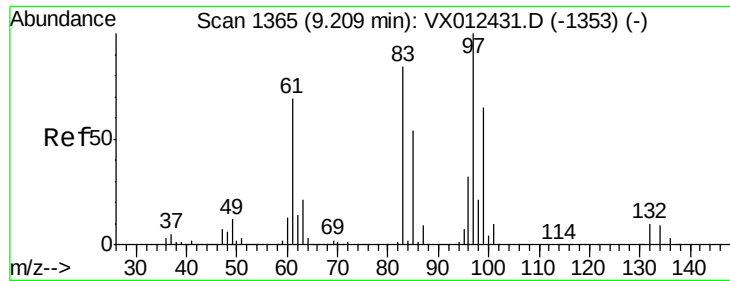
MMDadoda
9/19/2019 1:05:55 PM



#54
cis-1,3-Dichloropropene
Concen: 49.909 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion: 75 Resp: 113204
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.8
39 54.6 45.5 68.3





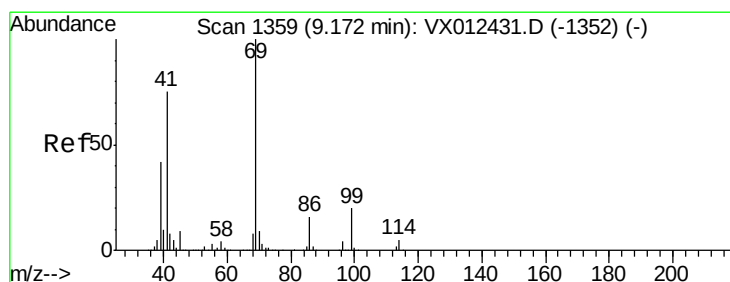
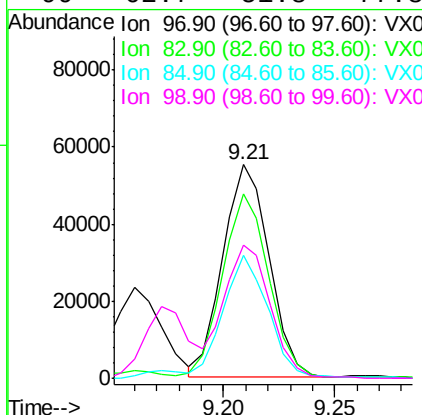
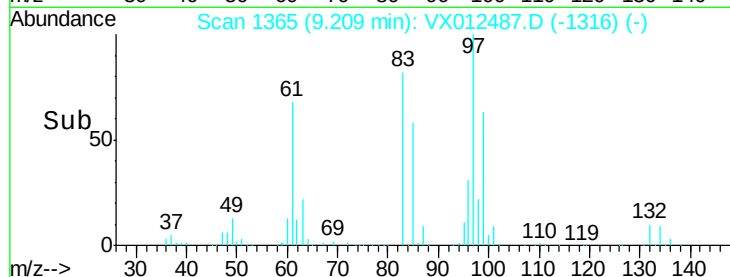
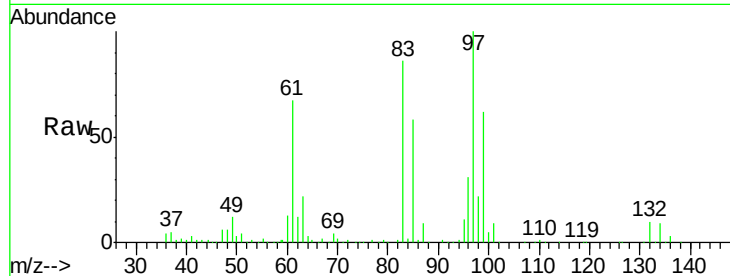
#55
 1,1,2-Trichloroethane
 Concen: 50.156 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Tot Ion:	97	Resp:	79278
Ion	Ratio	Lower	Upper
97	100		
83	86.6	67.4	101.2
85	57.1	43.5	65.3
99	62.7	51.8	77.8

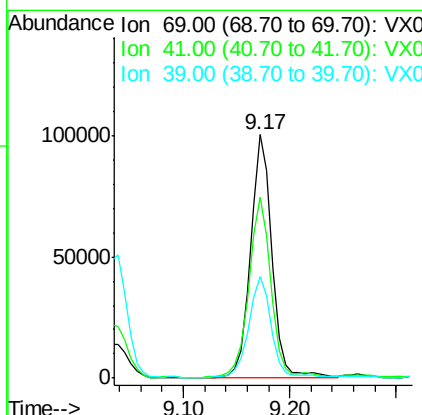
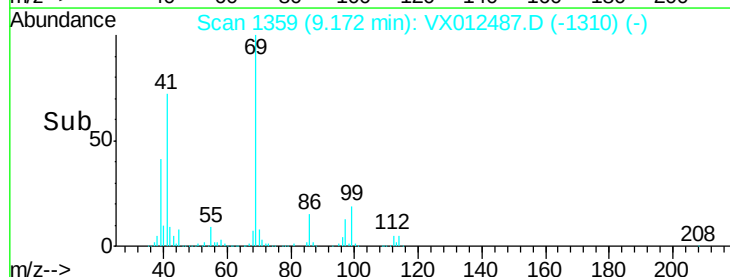
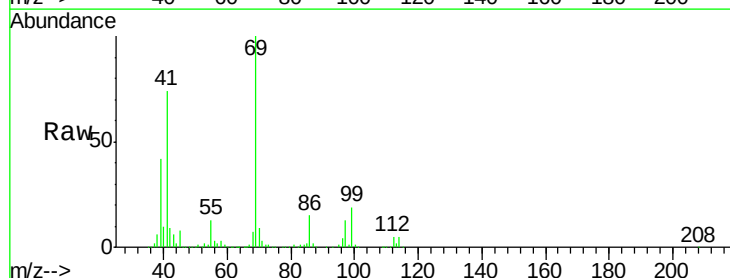
Manual Integrations
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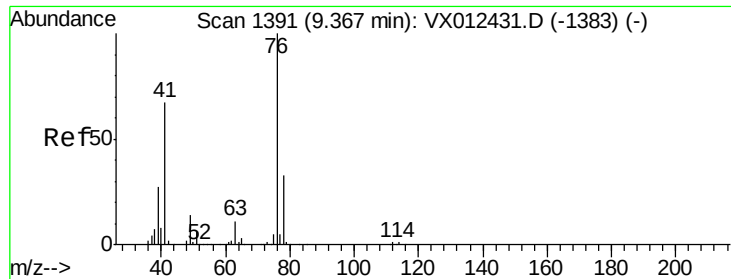
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 57.687 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Tgt Ion:	69	Resp:	142561
Ion	Ratio	Lower	Upper
69	100		
41	75.3	58.4	87.6
39	43.4	33.4	50.0





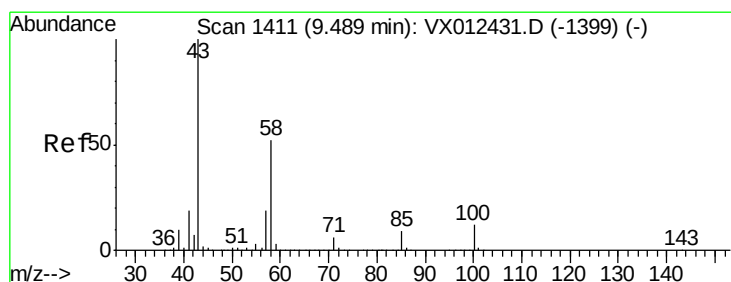
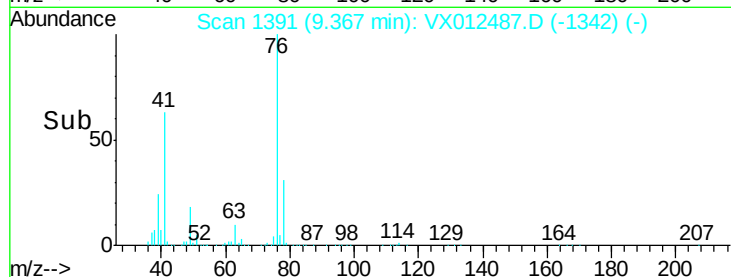
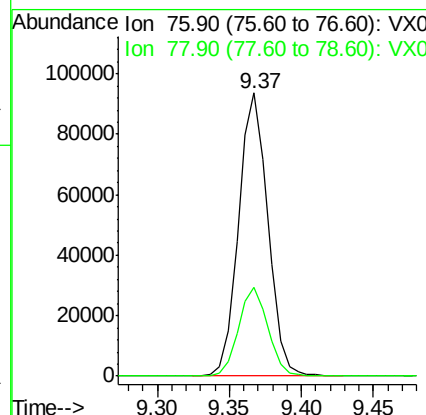
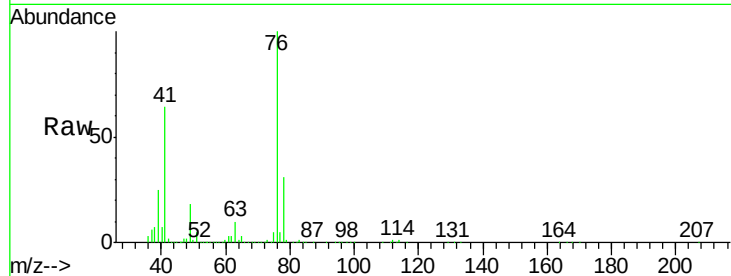
#57
 1,3-Dichloropropane
 Concen: 52.749 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.2	39.2

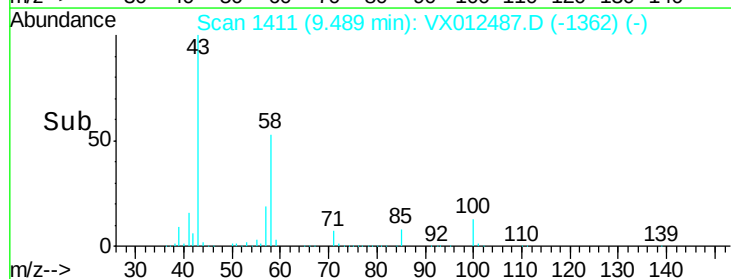
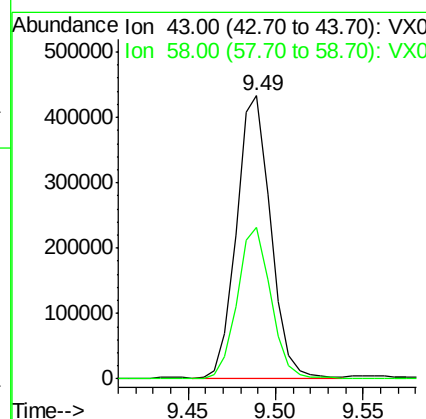
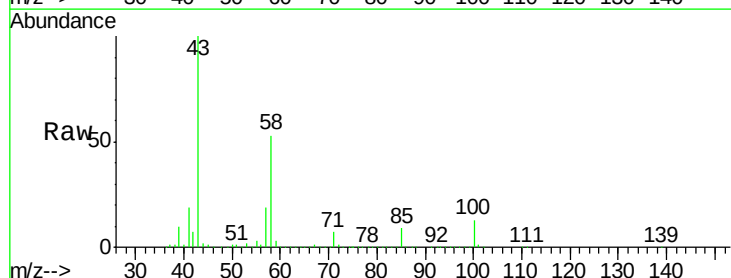
Manual Integrations
 APPROVED

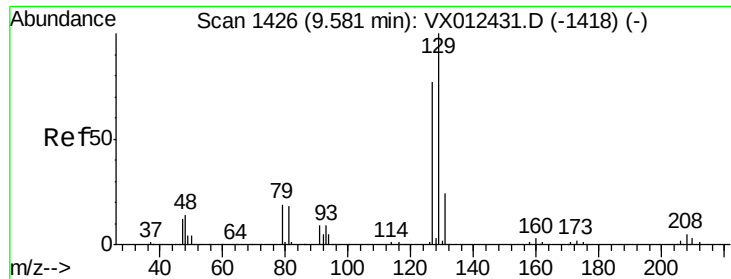
MMDadoda
 9/19/2019 1:05:55 PM



#59
 2-Hexanone
 Concen: 275.404 ug/l
 RT: 9.49 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.0	25.7	77.1





#60

Dibromochloromethane

Concen: 53.559 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MS

Tot Ion:129 Resp: 86232

Ion Ratio Lower Upper

129 100

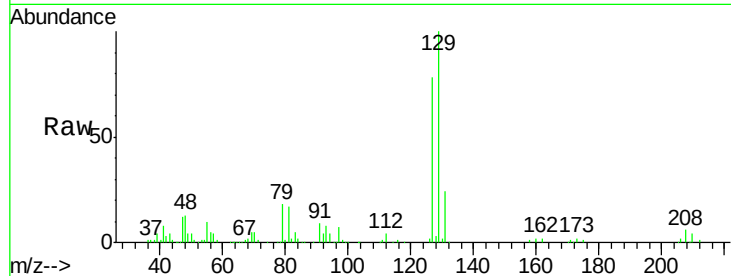
127 77.2 38.9 116.6

Manual Integrations

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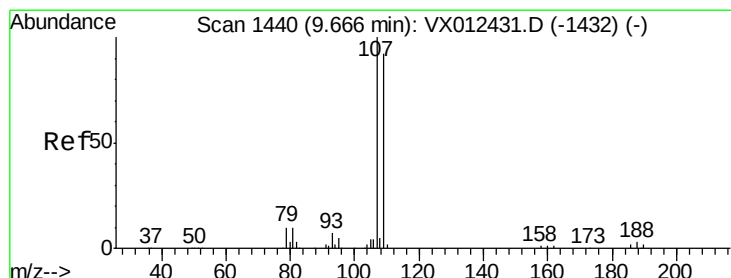
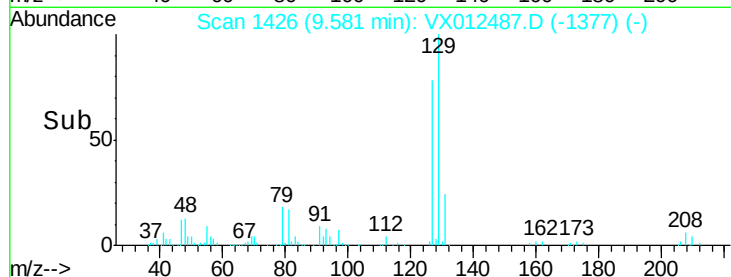
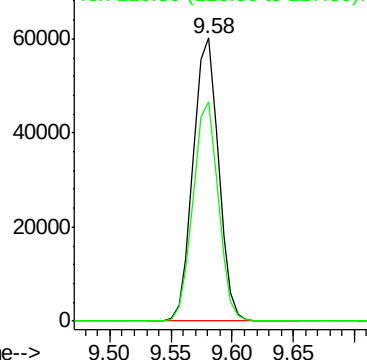
MMDadoda

9/19/2019 1:05:55 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 54.902 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012487.D

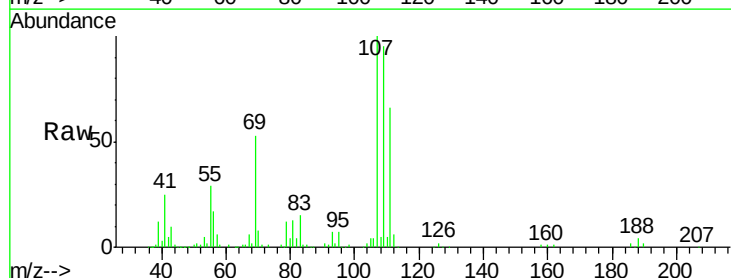
Acq: 18 Sep 2019 20:28

Tgt Ion:107 Resp: 79255

Ion Ratio Lower Upper

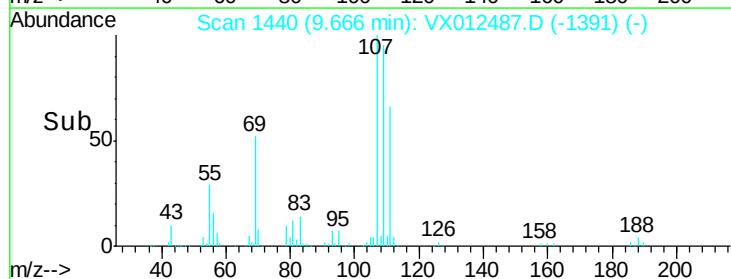
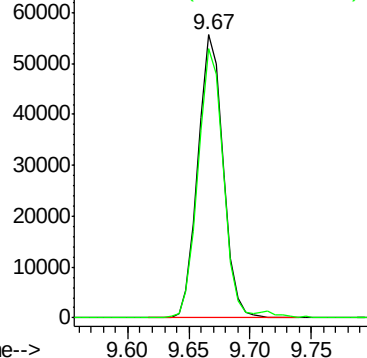
107 100

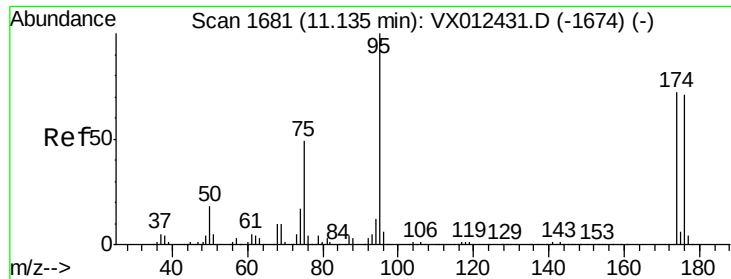
109 94.7 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





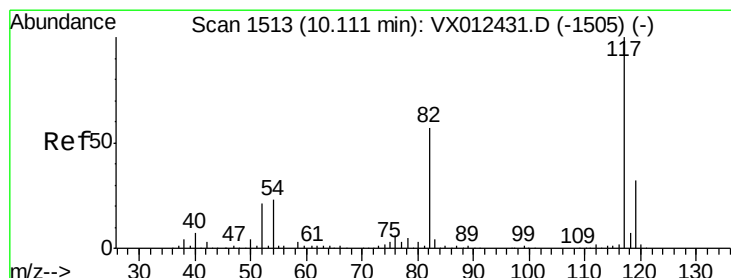
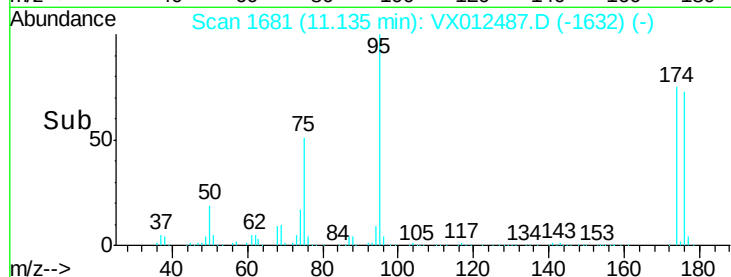
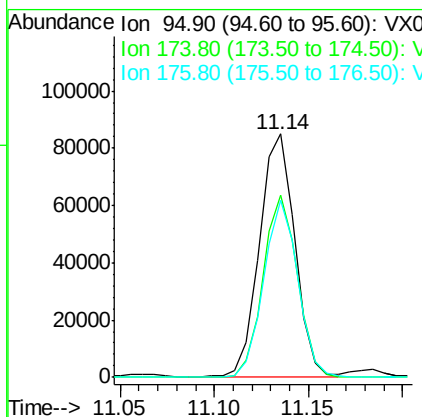
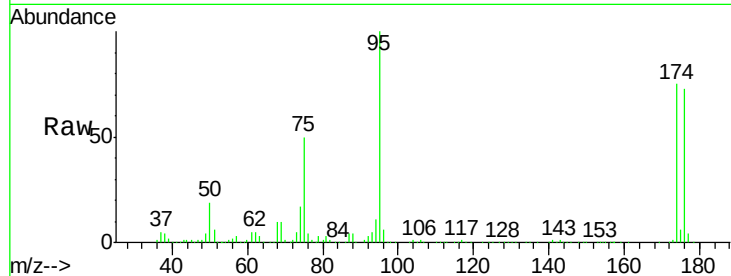
#62
4-Bromofluorobenzene
Concen: 48.174 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	110399		
174	72.6	0.0	140.0	
176	70.2	0.0	135.4	

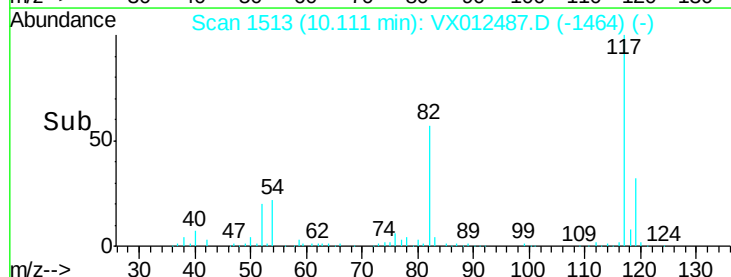
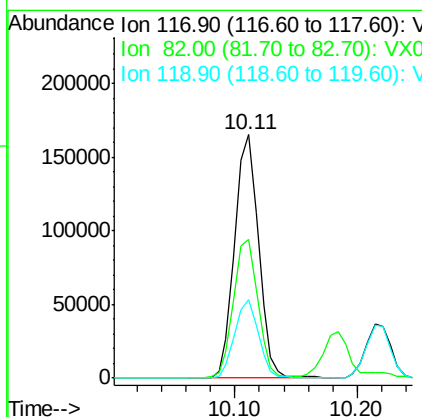
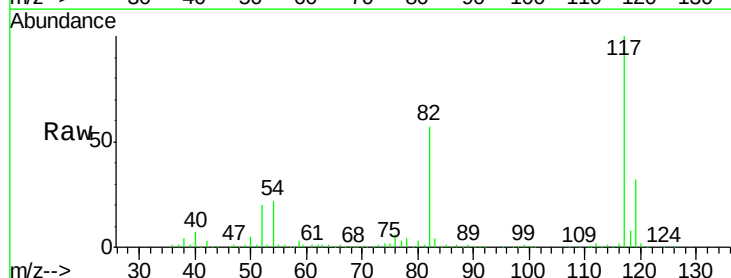
Manual Integrations
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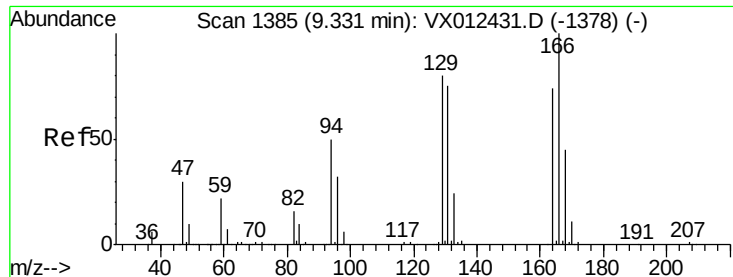
MMDadoda
9/19/2019 1:05:55 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	223471		
82	56.8	45.9	68.9	
119	32.3	25.3	37.9	





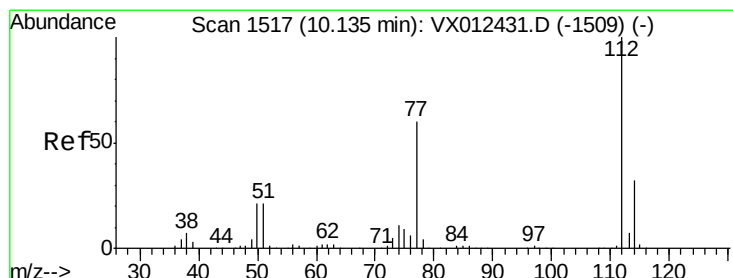
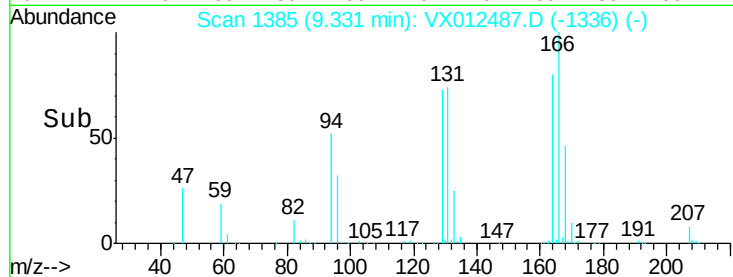
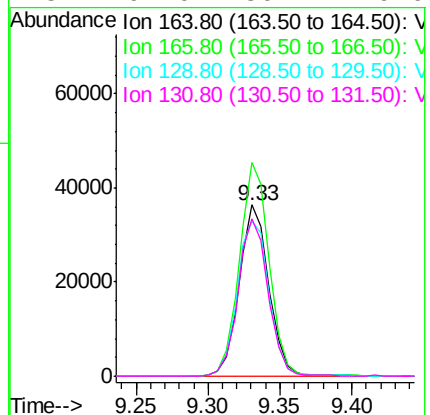
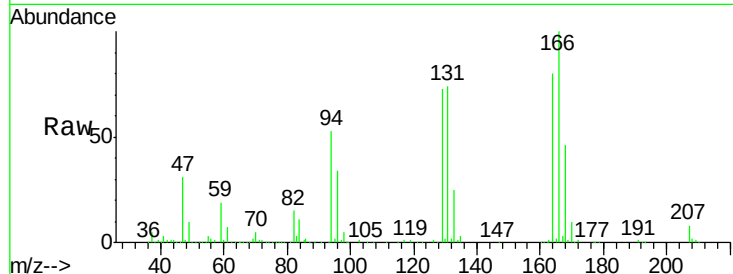
#64
Tetrachloroethene
Concen: 50.778 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.7	107.8	161.6
129	90.5	86.2	129.2
131	92.0	80.4	120.6

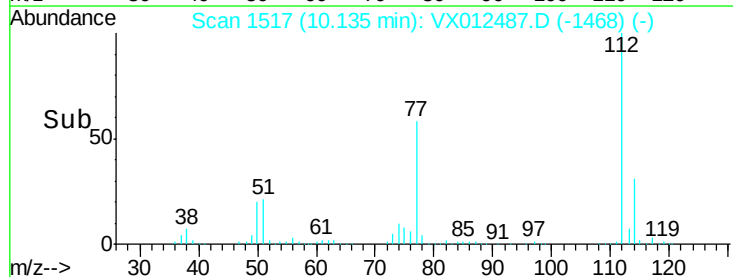
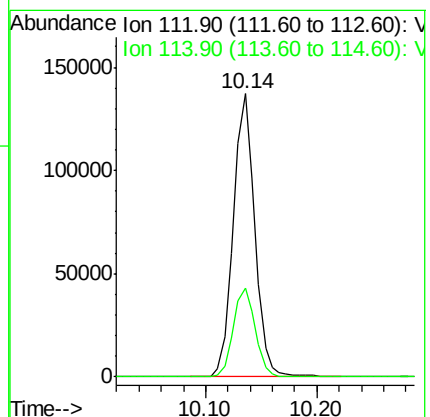
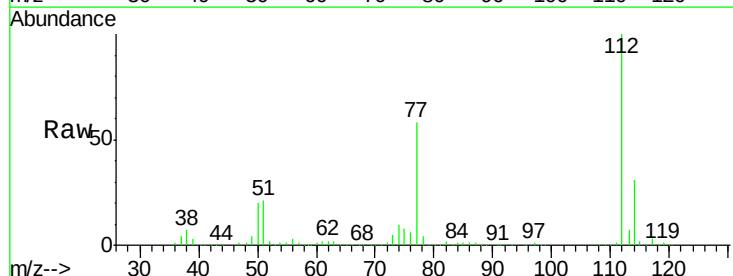
Manual Integrations
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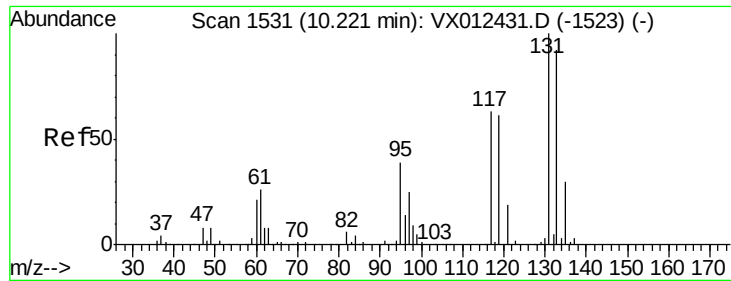
MMDadoda
9/19/2019 1:05:55 PM



#65
Chlorobenzene
Concen: 49.665 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.4	38.0





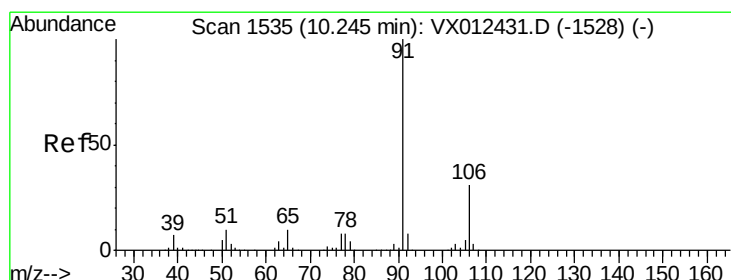
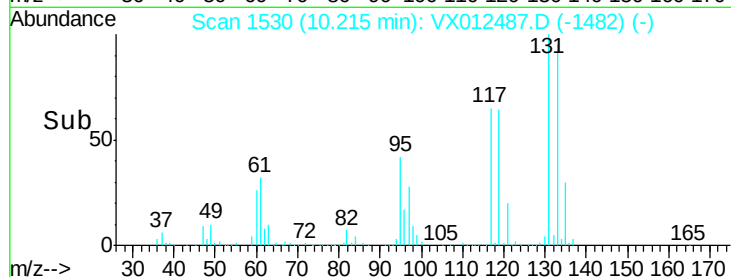
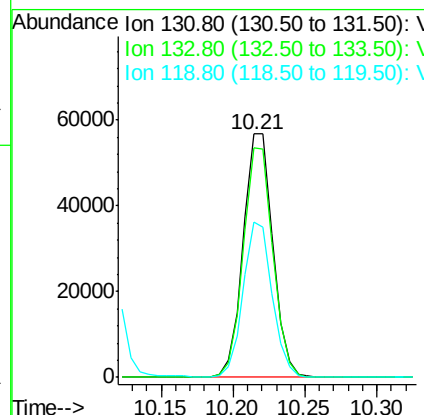
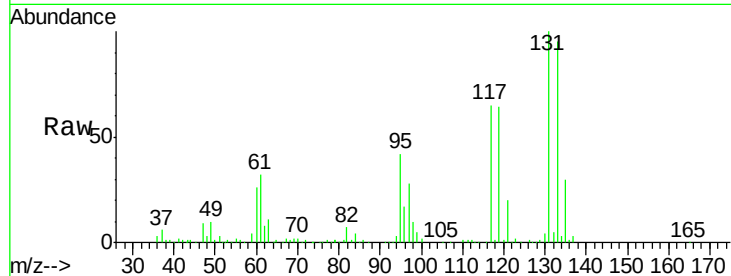
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.979 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.6	142.9
119	62.6	31.3	93.8

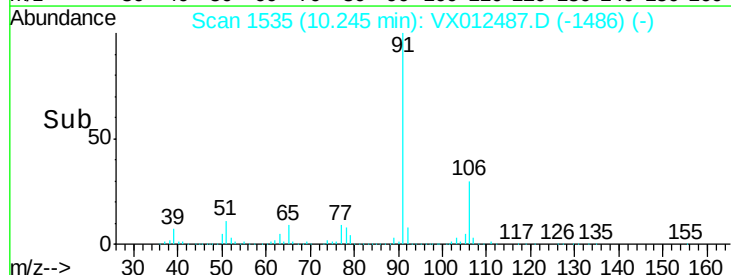
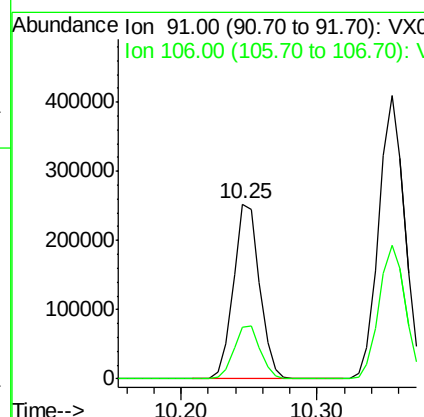
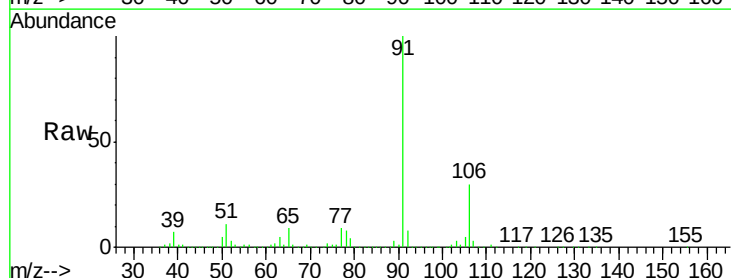
Manual Integrations
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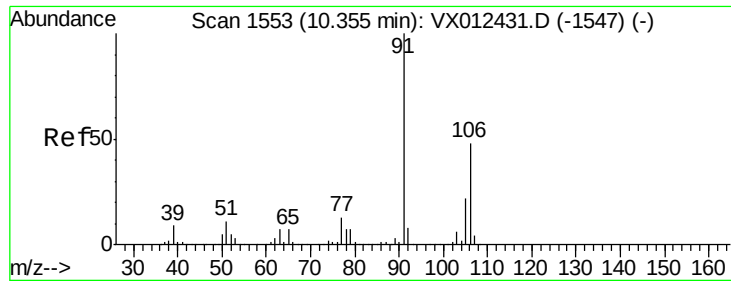
MMDadoda
 9/19/2019 1:05:55 PM



#67
 Ethyl Benzene
 Concen: 53.364 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.6	37.0





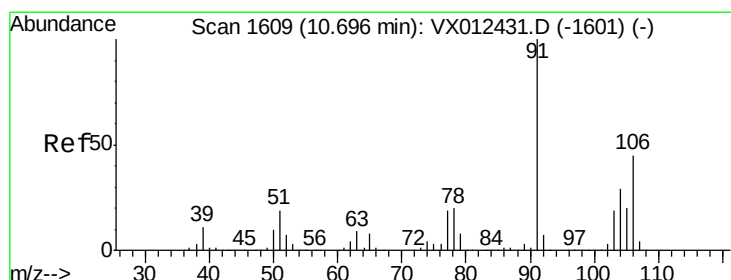
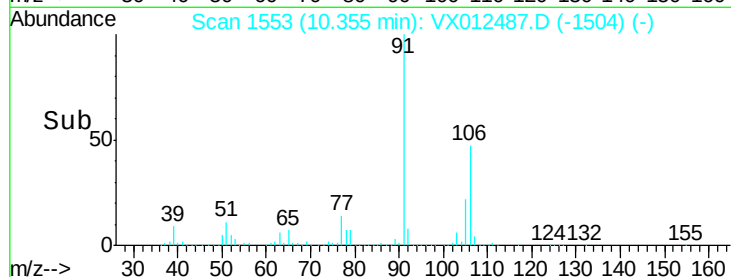
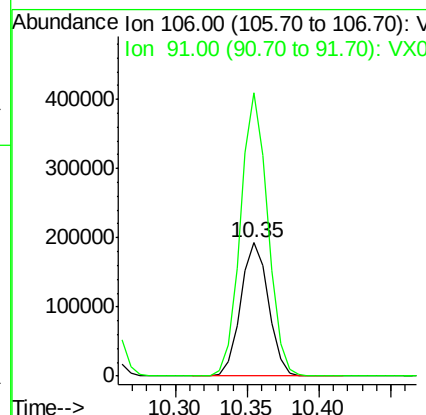
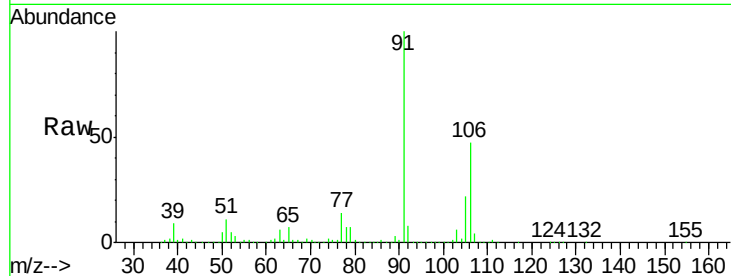
#68
m/p-Xylenes
Concen: 112.738 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		259937		
91	207.8	166.6	250.0		

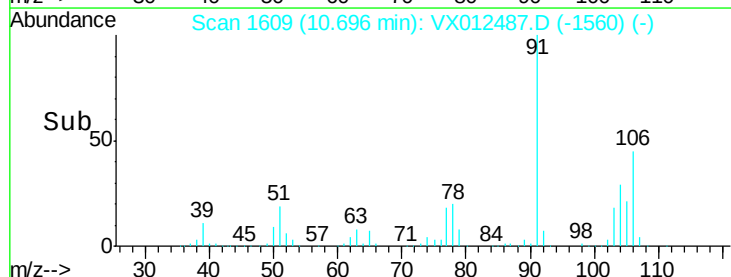
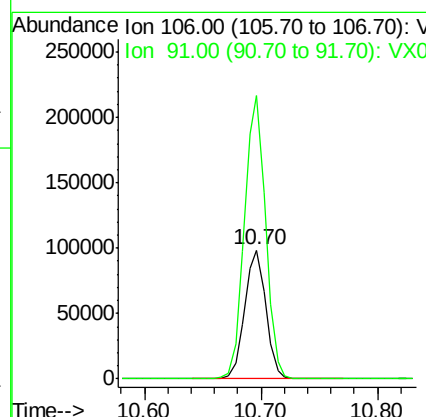
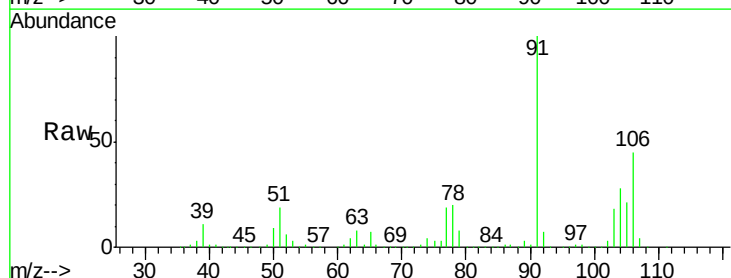
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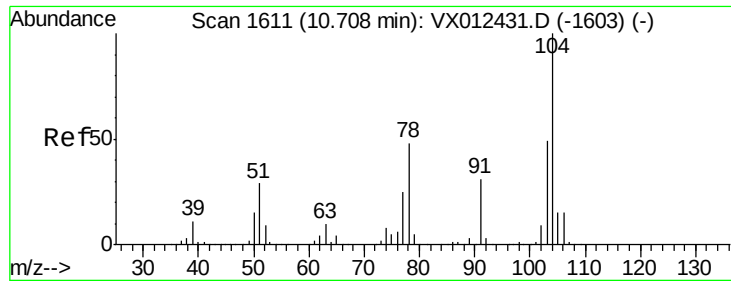
MMDadoda
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#69
o-Xylene
Concen: 52.901 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		125437		
91	218.2	109.4	328.2		





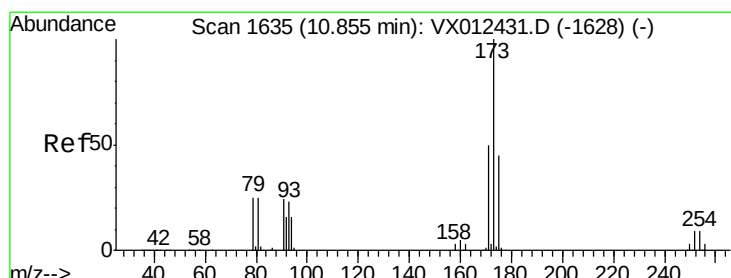
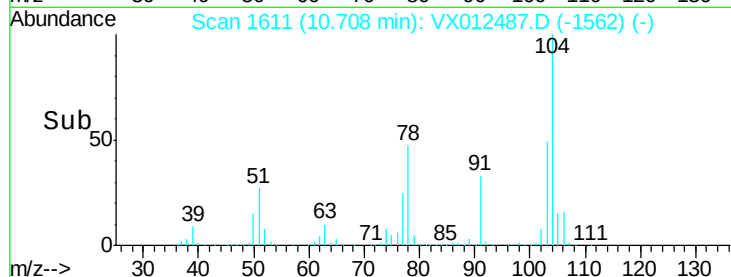
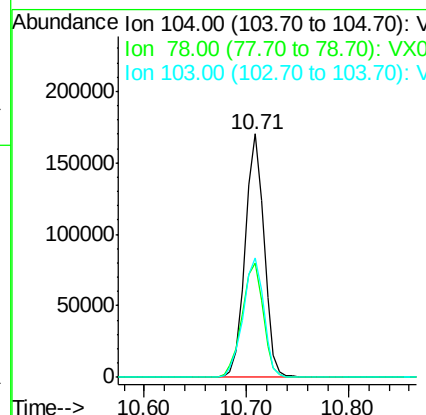
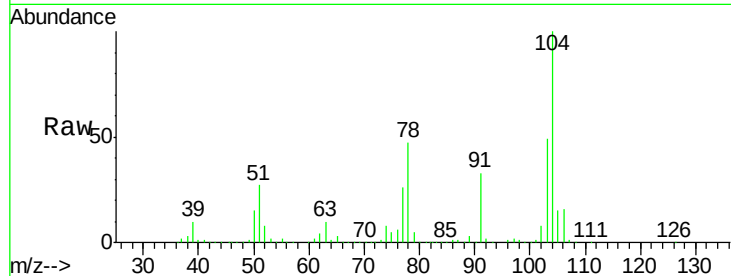
#70
Stvrene
Concen: 51.739 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	217062		
78	53.2		43.4	65.2
103	54.0		43.3	64.9

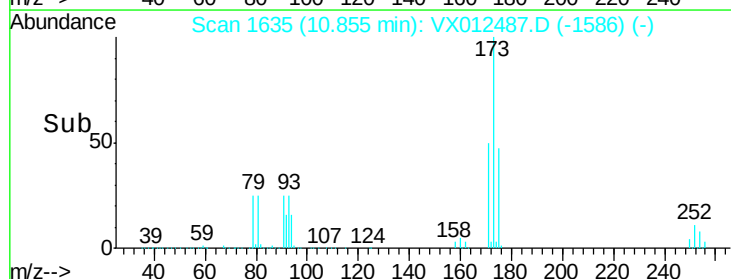
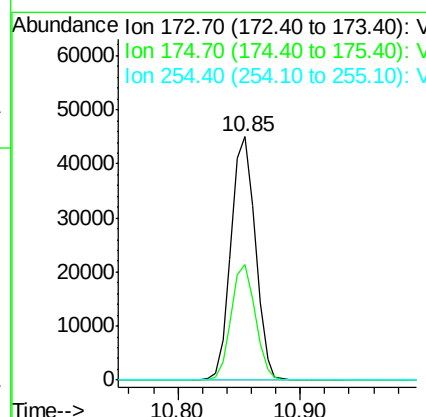
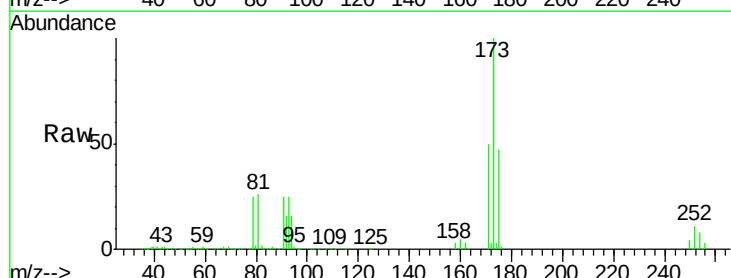
Manual Integrations
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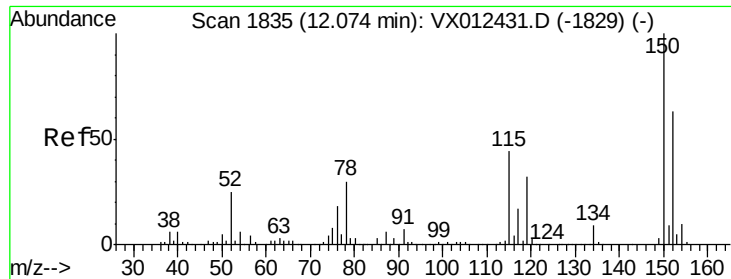
MMDadoda
9/19/2019 1:05:55 PM



#71
Bromoform
Concen: 47.129 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	61886		
175	47.1		23.7	71.1
254	0.0		0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

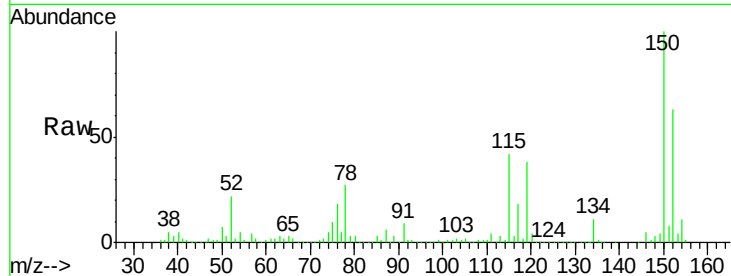
ClientSampleId :

S13-0282MS

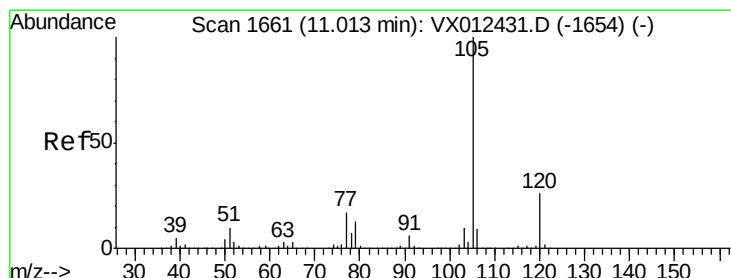
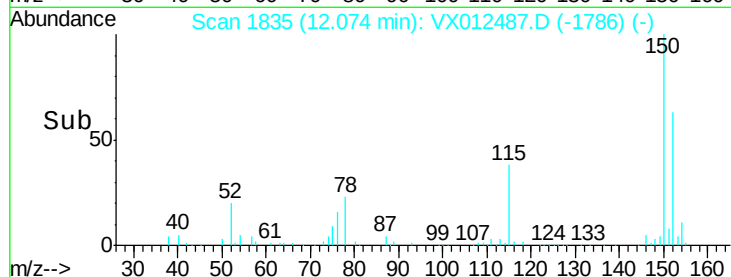
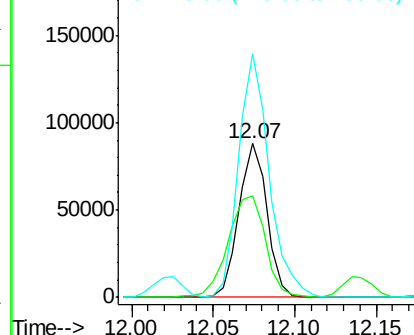
Tot Ion:	152	Resp:	105583
Ion Ratio	Lower	Upper	
152	100		
115	87.2	44.1	132.3
150	172.2	0.0	343.8

Manual Integrations
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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: 125.630 ug/l

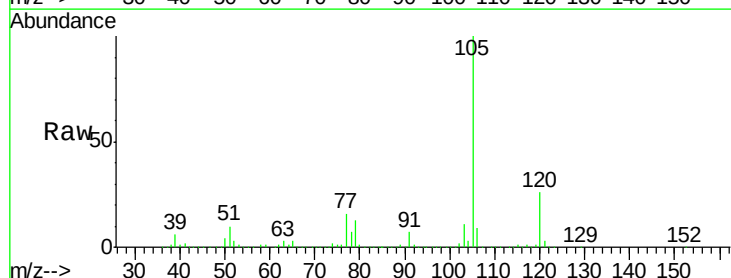
RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

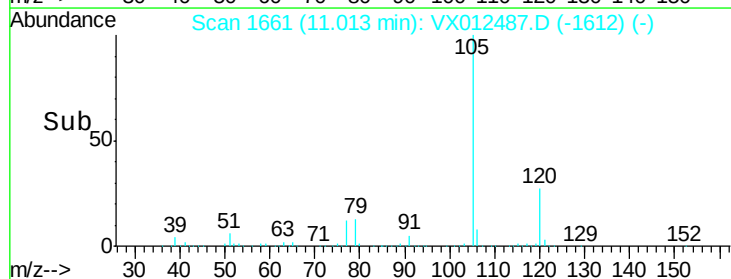
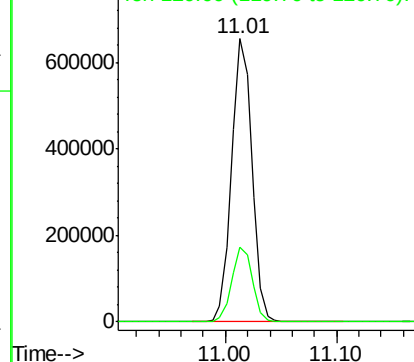
Lab File: VX012487.D

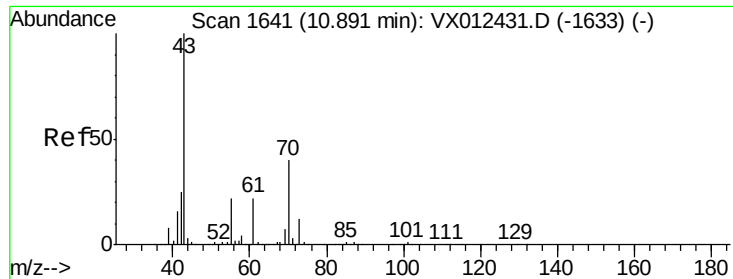
Acq: 18 Sep 2019 20:28

Tgt Ion:	105	Resp:	832262
Ion Ratio	Lower	Upper	
105	100		
120	26.6	12.9	38.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 52.759 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

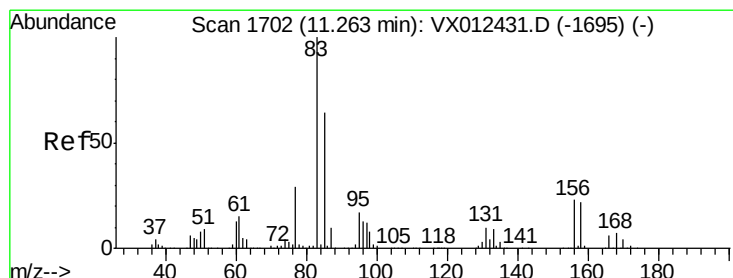
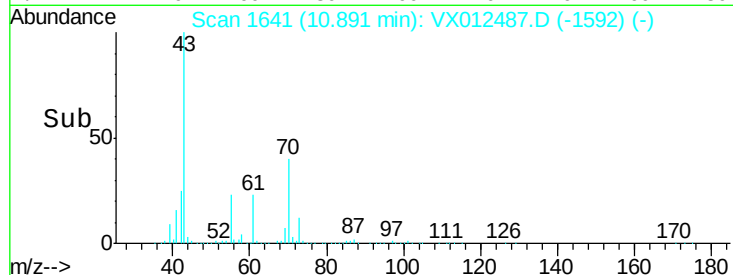
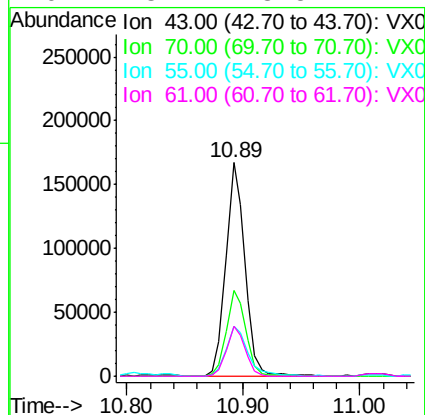
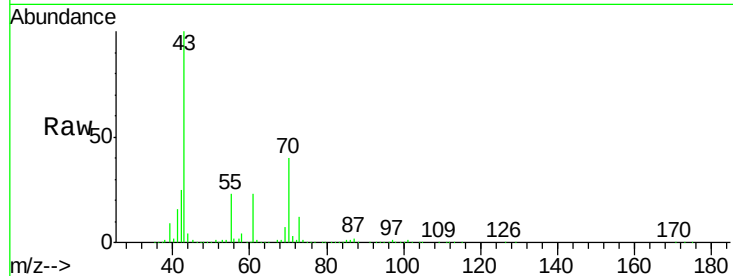
ClientSampleId :

S13-0282MS

Tot Ion	43	Resp	188172
Ion Ratio	Lower	Upper	
43	100		
70	41.4	32.4	48.6
55	26.6	18.2	27.4
61	23.1	18.5	27.7

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 55.861 ug/l

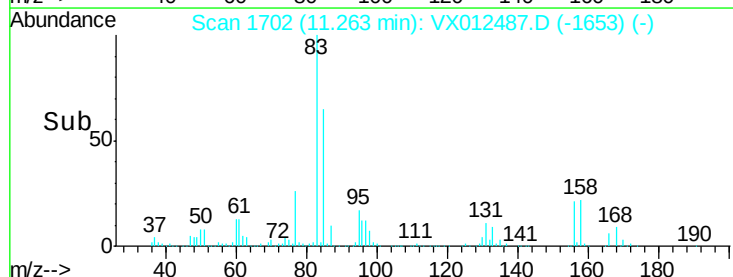
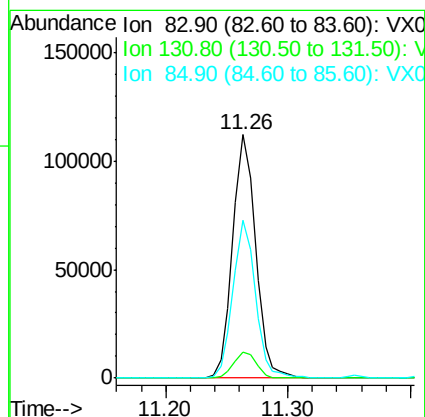
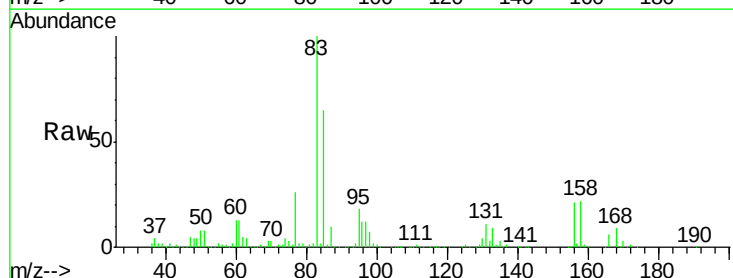
RT: 11.26 min Scan# 1702

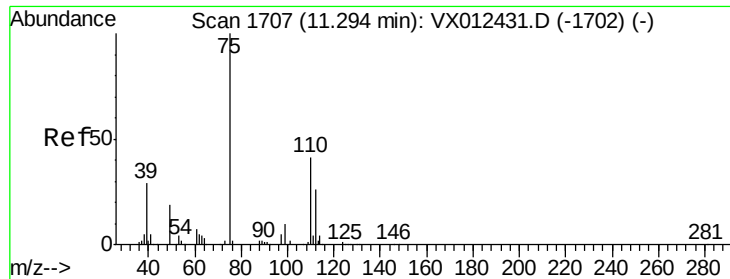
Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Tgt Ion	83	Resp	145167
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.2	15.6
85	64.1	32.0	96.0





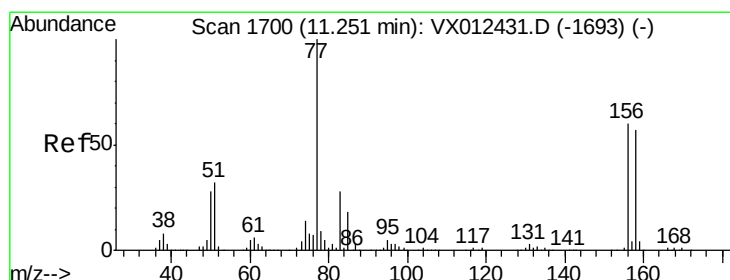
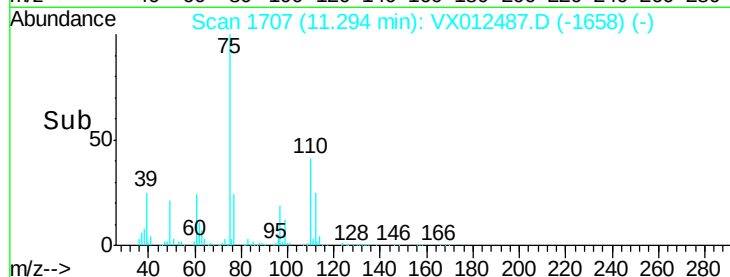
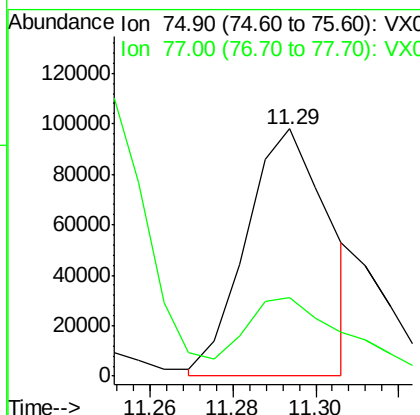
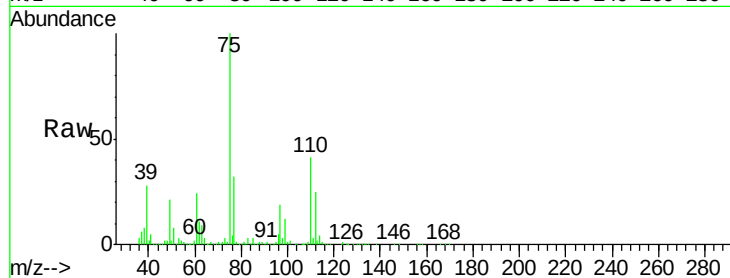
#76
 1,2,3-Trichloropropane
 Concen: 55.783 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Tot Ion: 75 Resp: 135292
 Ion Ratio Lower Upper
 75 100
 77 38.8 19.7 59.0

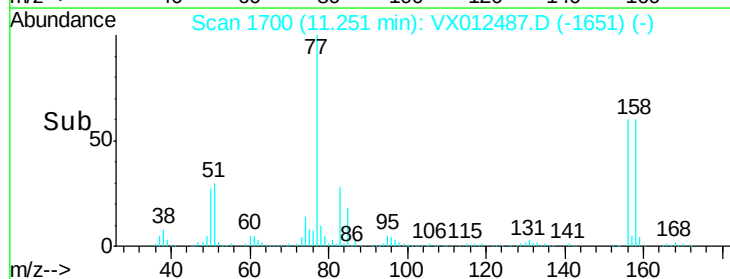
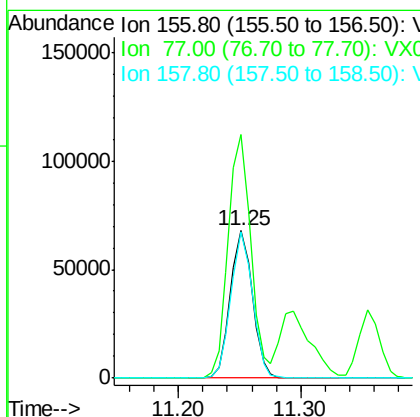
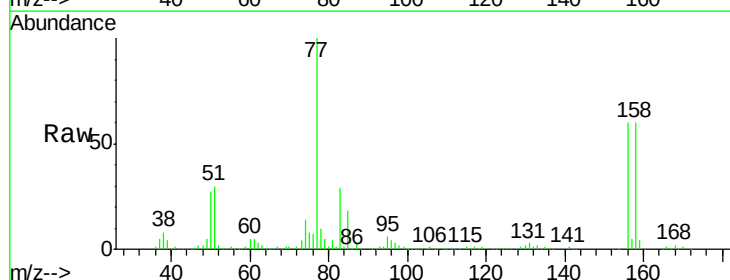
Manual Integrations
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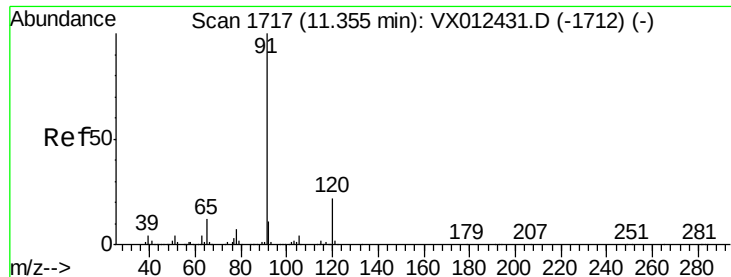
MMDadoda
 9/19/2019 1:05:55 PM



#77
 Bromobenzene
 Concen: 52.554 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Tgt Ion: 156 Resp: 84908
 Ion Ratio Lower Upper
 156 100
 77 169.6 87.3 261.8
 158 97.7 48.5 145.6





#78

n-propylbenzene

Concen: 123.506 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MS

Tot Ion: 91 Resp: 911908

Ion Ratio Lower Upper

91 100

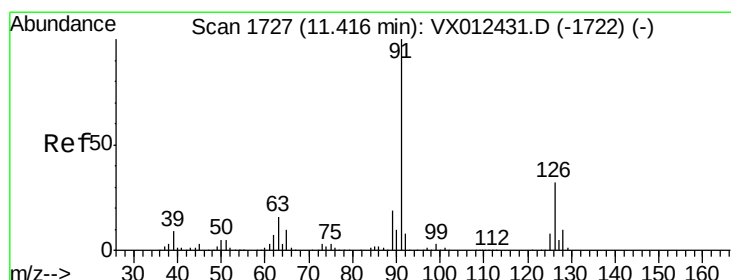
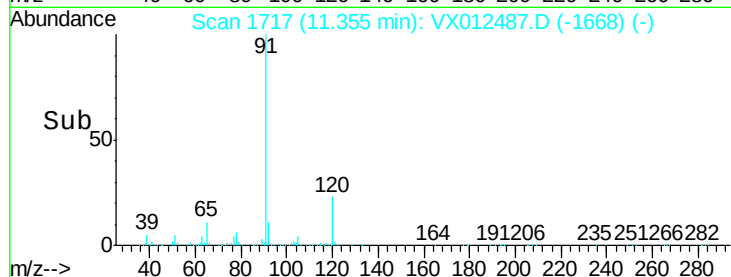
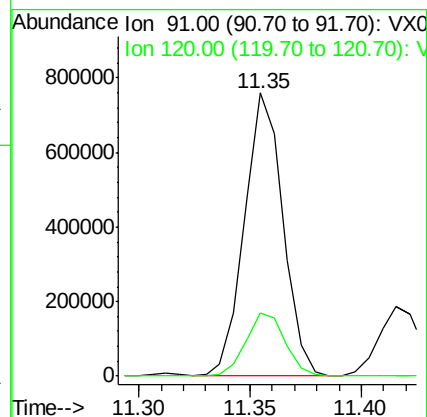
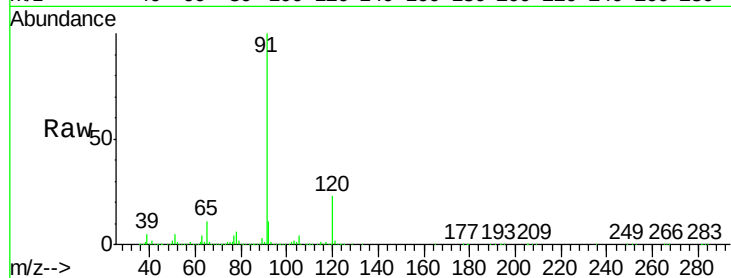
120 23.1 11.3 33.8

Manual Integrations

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#79

2-Chlorotoluene

Concen: 50.320 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012487.D

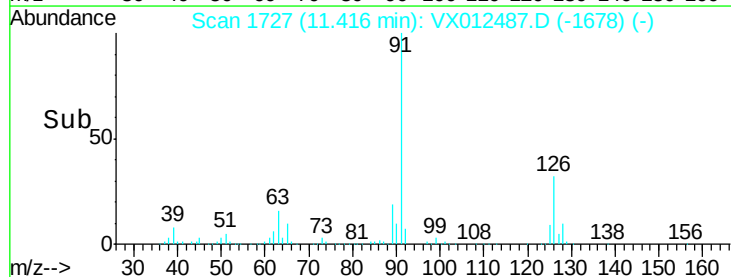
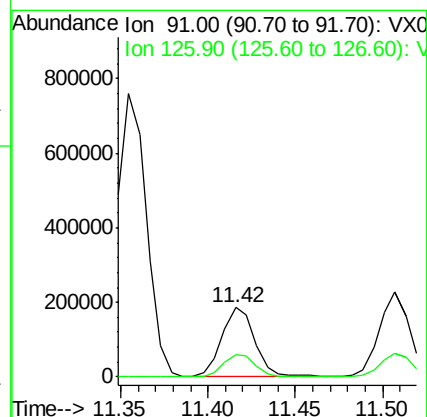
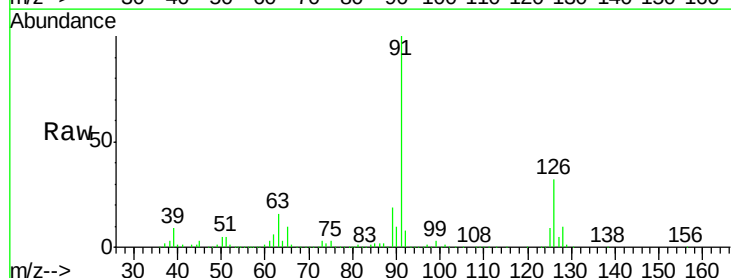
Acq: 18 Sep 2019 20:28

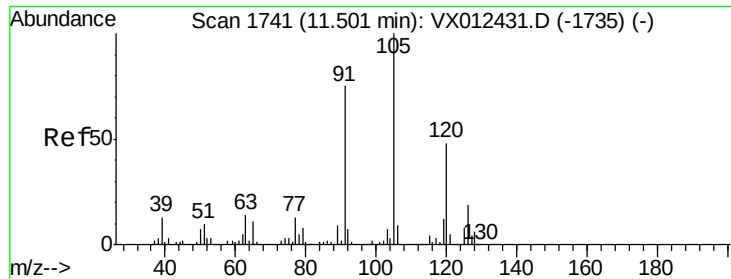
Tgt Ion: 91 Resp: 241706

Ion Ratio Lower Upper

91 100

126 31.9 16.4 49.4





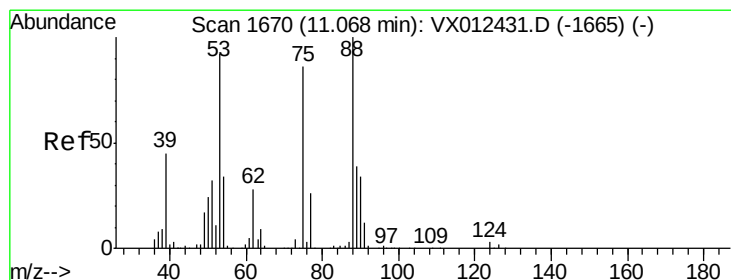
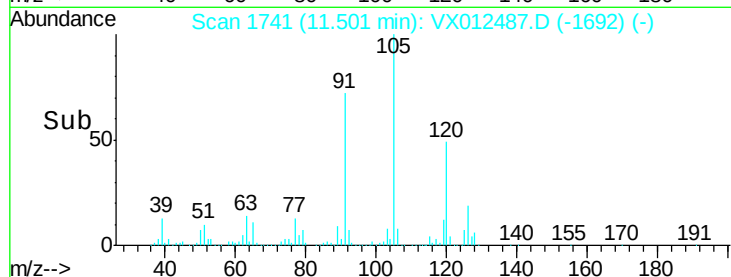
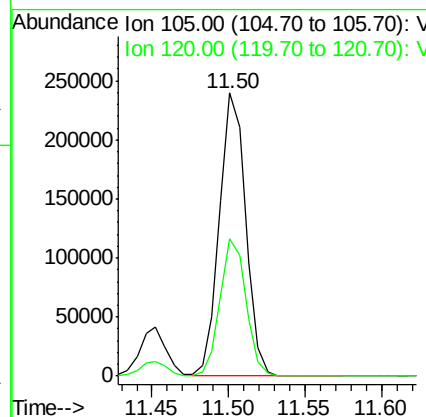
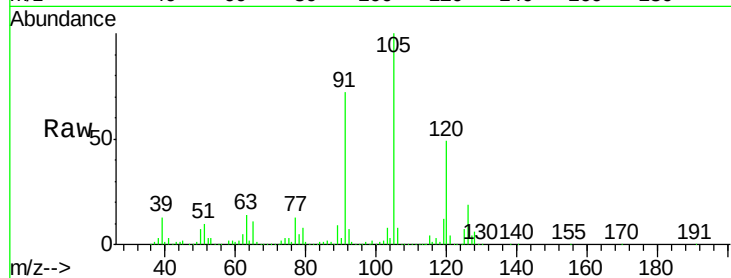
#80
 1,3,5-Trimethylbenzene
 Concen: 50.781 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0282MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.3	72.8

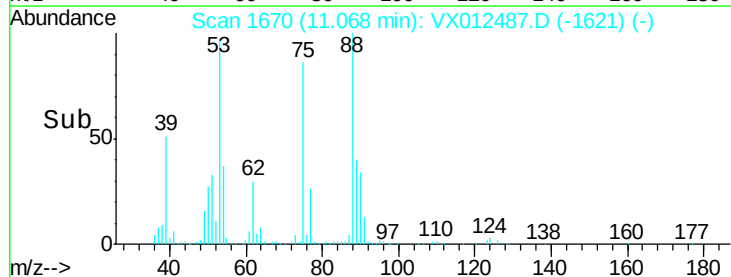
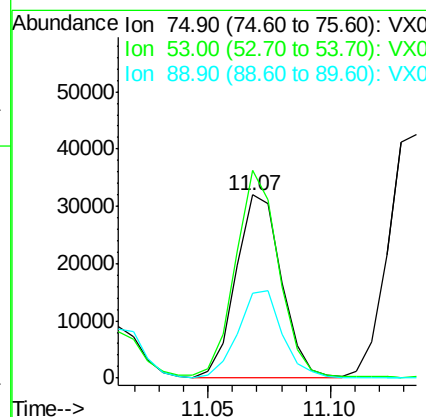
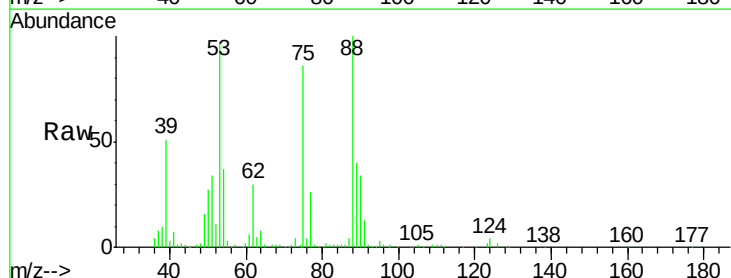
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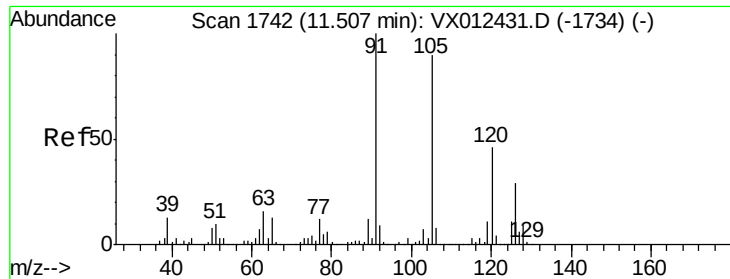
MMDadoda
 9/19/2019 1:05:55 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.341 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
53	106.5	83.6	125.4
89	46.7	36.3	54.5





#82

4-Chlorotoluene

Concen: 49.415 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MS

Tot Ion: 91 Resp: 272415

Ion Ratio Lower Upper

91 100

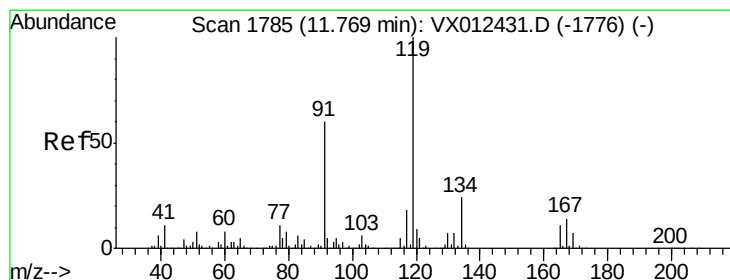
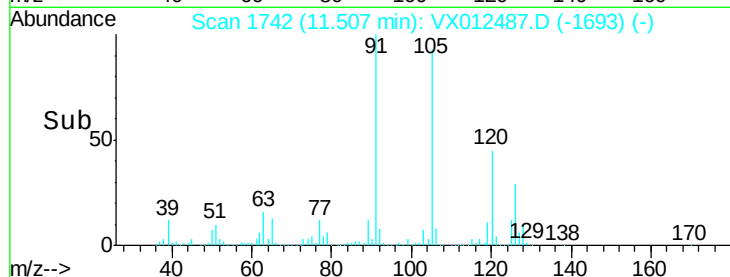
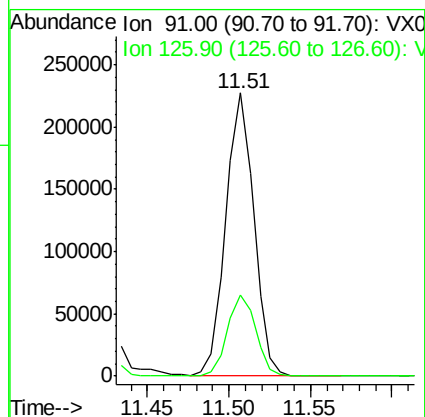
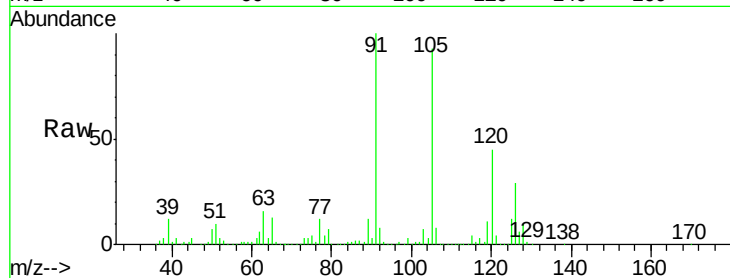
126 29.1 14.4 43.0

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#83

tert-Butylbenzene

Concen: 51.610 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

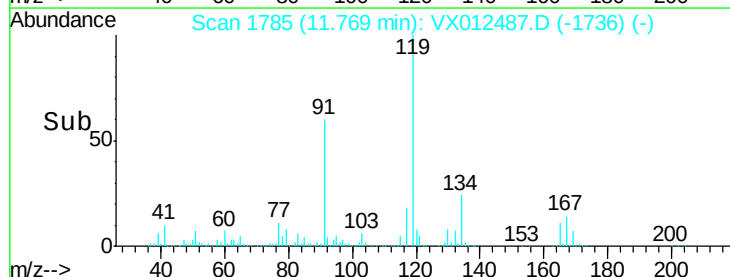
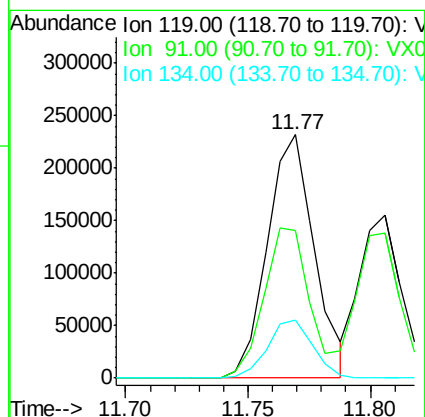
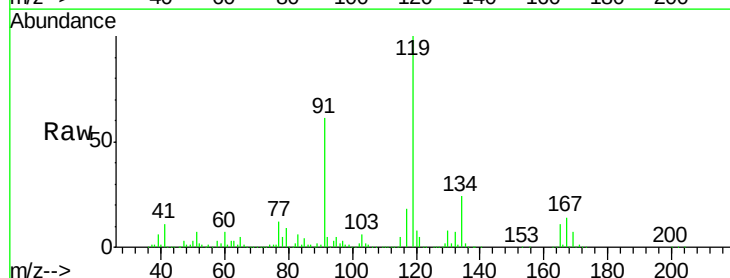
Tgt Ion: 119 Resp: 312450

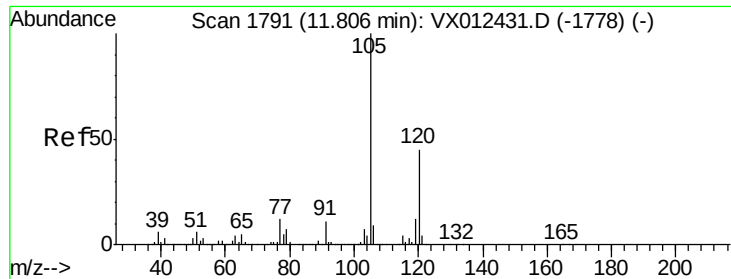
Ion Ratio Lower Upper

119 100

91 58.7 30.0 90.0

134 23.1 11.3 33.9





#84

1,2,4-Trimethylbenzene

Concen: 276.996 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

ClientSampled :

S13-0282MS

Tot Ion:105 Resp: 1606868

Ion Ratio Lower Upper

105 100

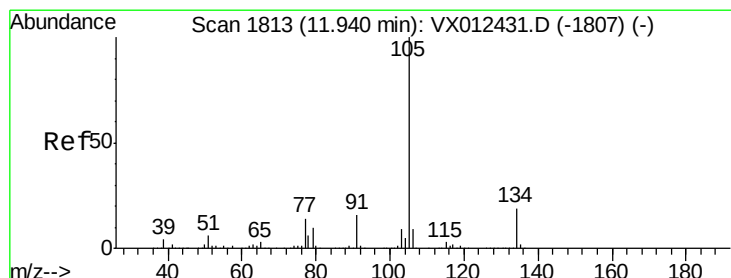
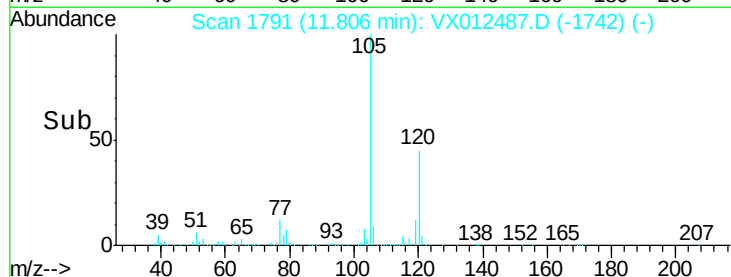
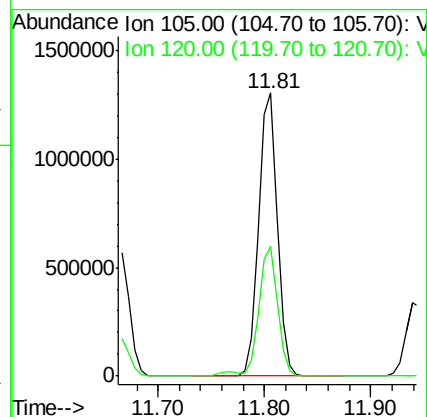
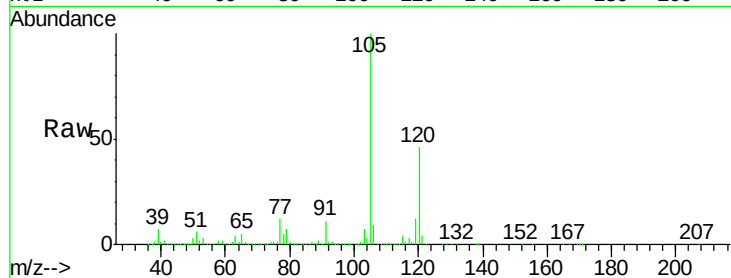
120 45.5 22.2 66.6

Manual Integrations

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#85

sec-Butylbenzene

Concen: 62.167 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012487.D

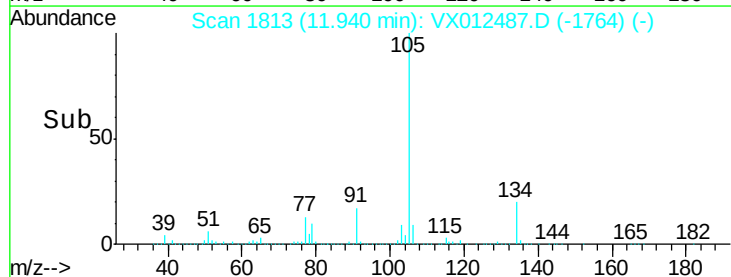
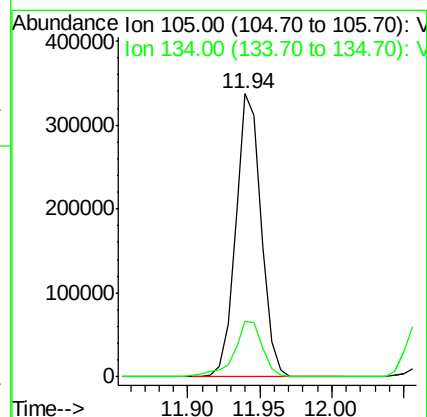
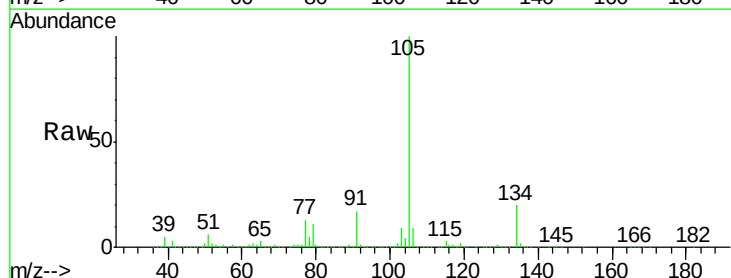
Acq: 18 Sep 2019 20:28

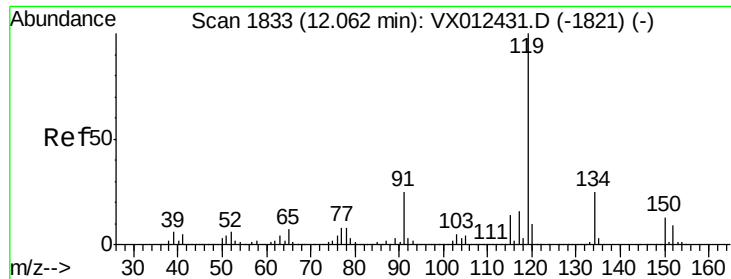
Tgt Ion:105 Resp: 414718

Ion Ratio Lower Upper

105 100

134 22.2 9.8 29.4





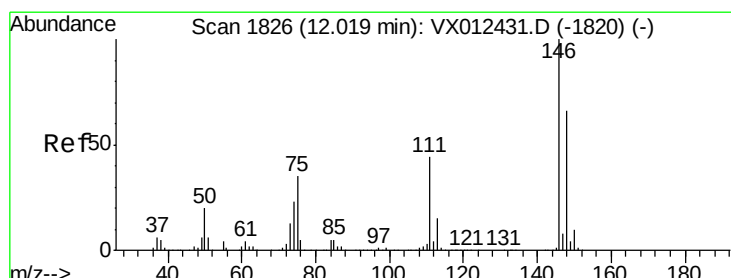
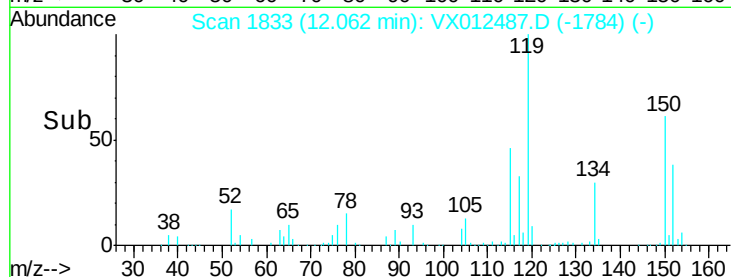
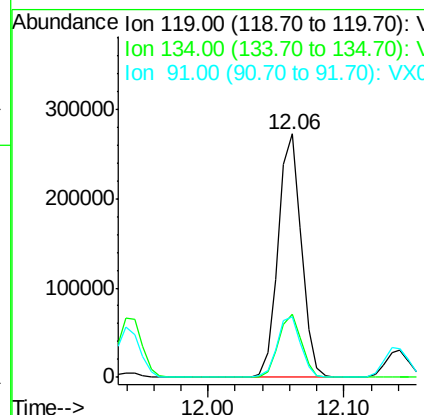
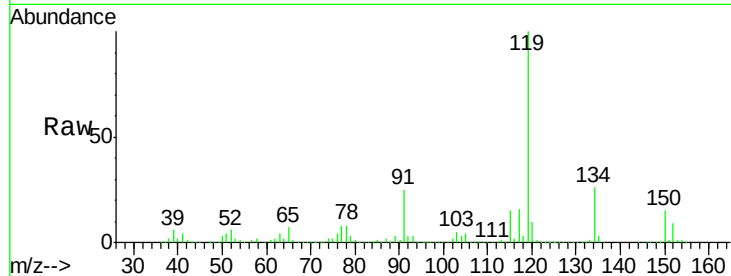
#86
p-Isopropyltoluene
Concen: 52.979 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	324538		
134	26.0	12.7	38.1	
91	25.1	12.8	38.4	

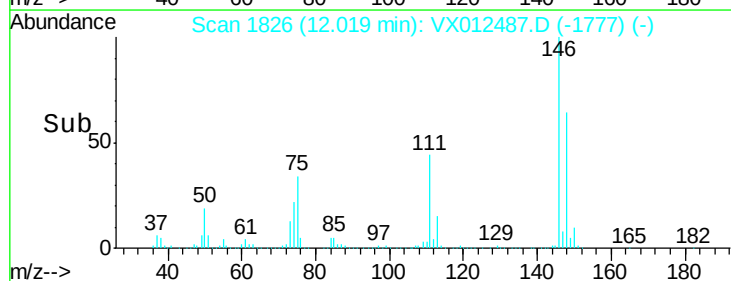
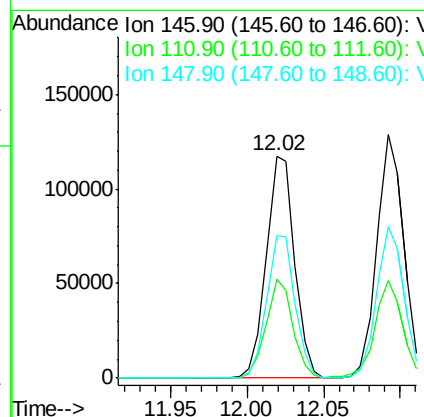
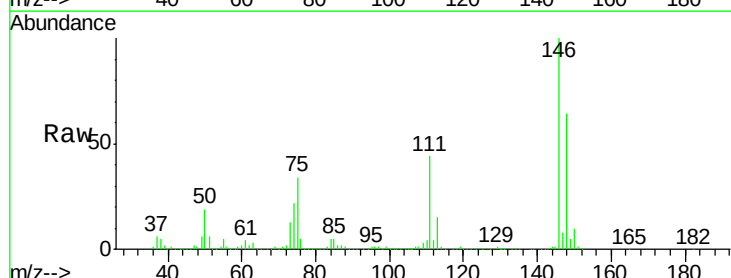
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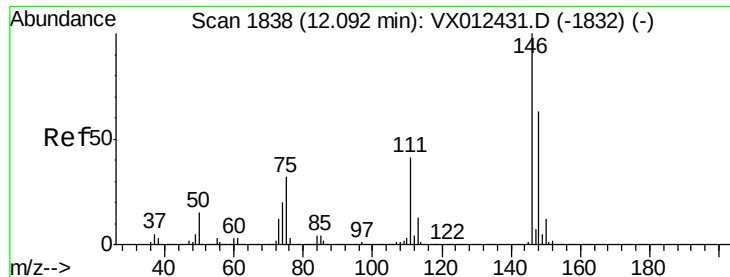
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 50.224 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	152639		
111	42.0	21.3	64.0	
148	64.3	32.4	97.2	





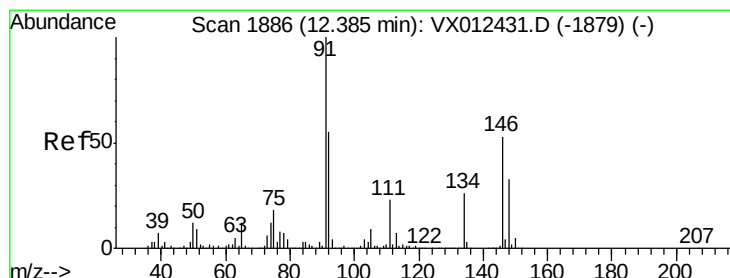
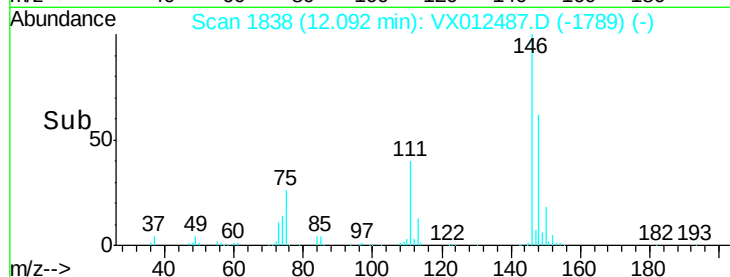
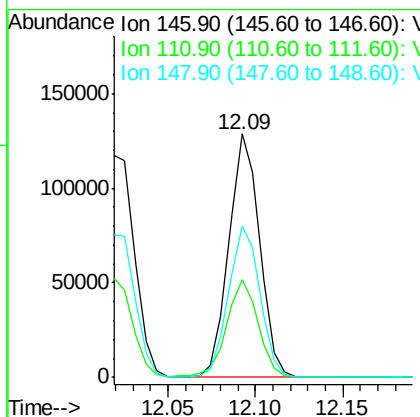
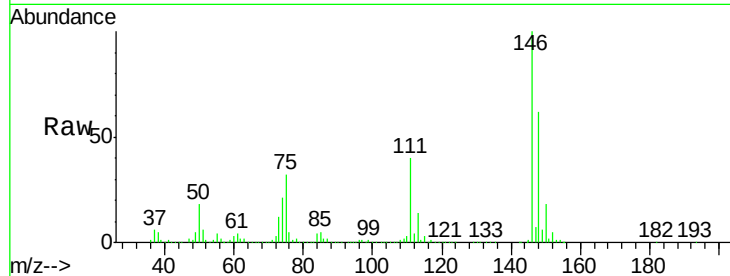
#88
 1,4-Dichlorobenzene
 Concen: 50.356 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	157206		
111	41.2	21.1	63.3	
148	63.6	32.1	96.5	

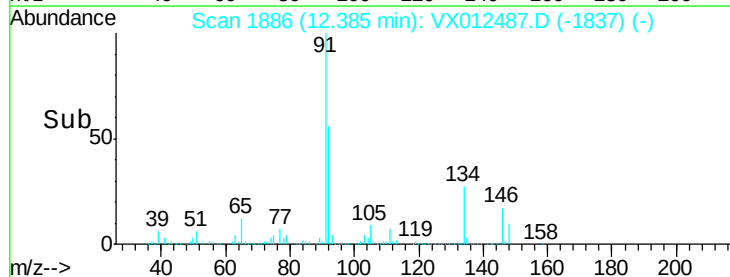
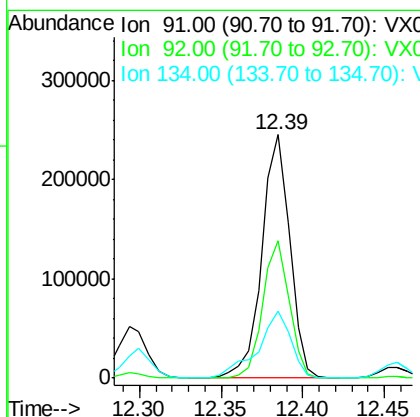
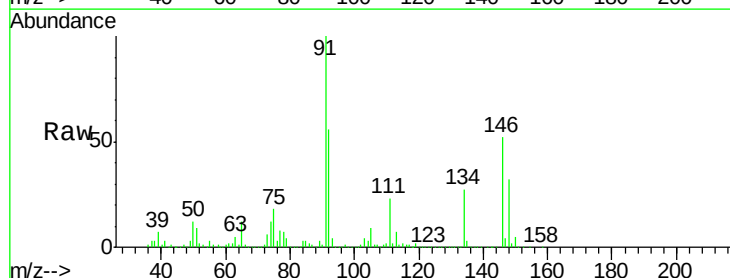
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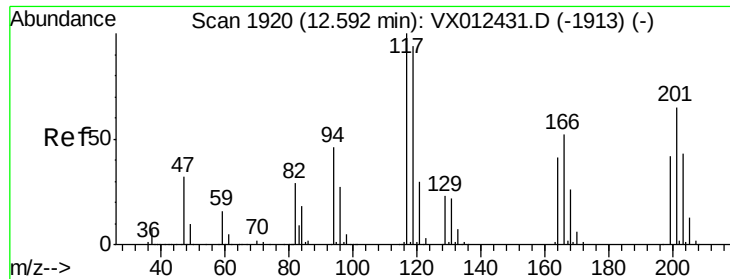
MMDadoda
 9/19/2019 1:05:55 PM



#89
 n-Butylbenzene
 Concen: 53.623 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	293083		
92	53.5	27.7	83.0	
134	32.2	12.9	38.6	





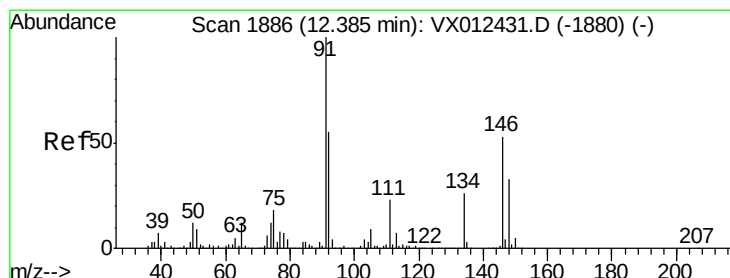
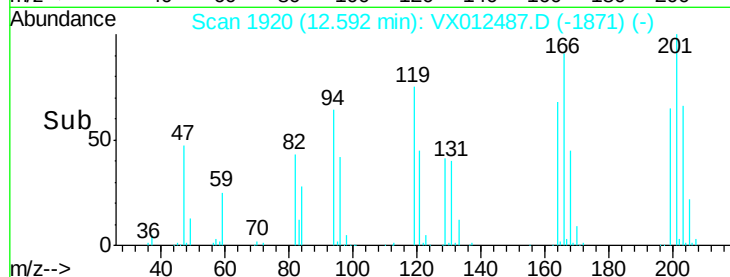
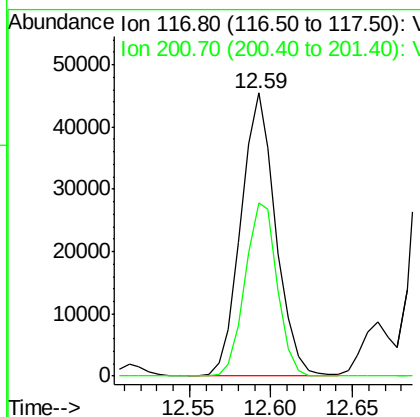
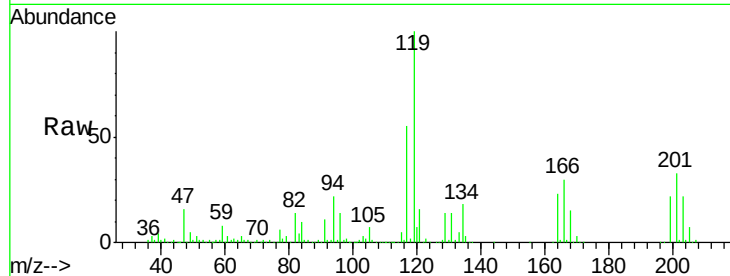
#90
Hexachloroethane
Concen: 60.050 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MS

Tot Ion:117 Resp: 67449
Ion Ratio Lower Upper
117 100
201 56.2 33.3 99.8

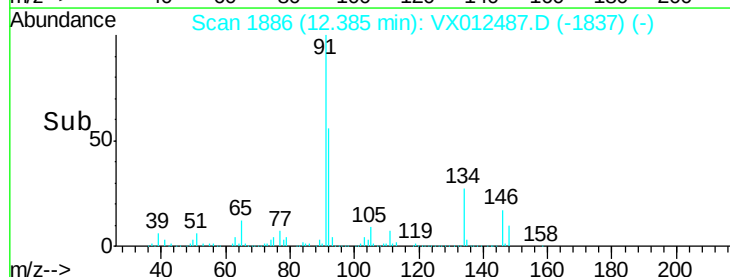
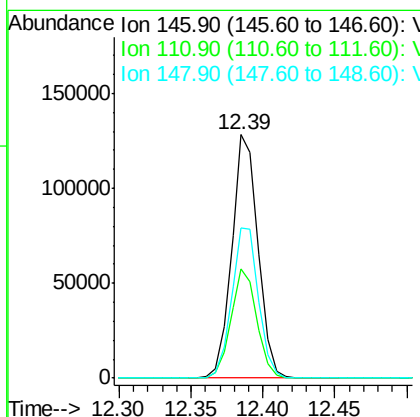
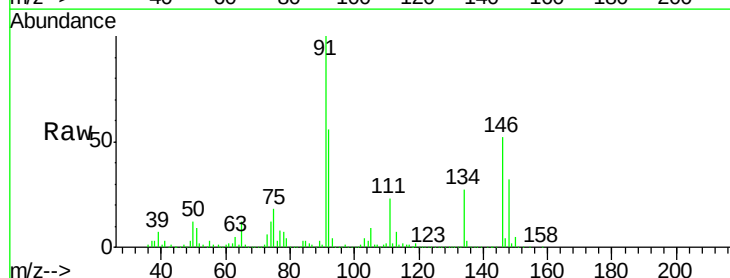
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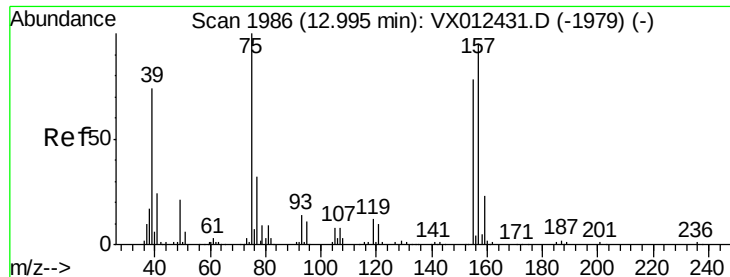
MMDadoda
9/19/2019 1:05:55 PM



#91
1,2-Dichlorobenzene
Concen: 51.364 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012487.D
Acq: 18 Sep 2019 20:28

Tgt Ion:146 Resp: 163158
Ion Ratio Lower Upper
146 100
111 44.0 22.1 66.1
148 63.1 31.3 93.9





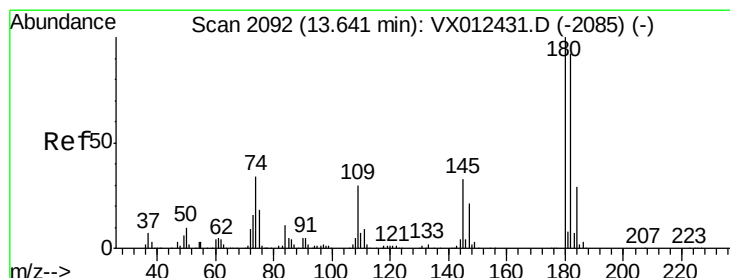
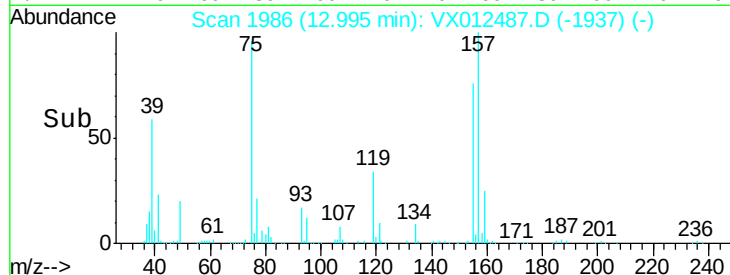
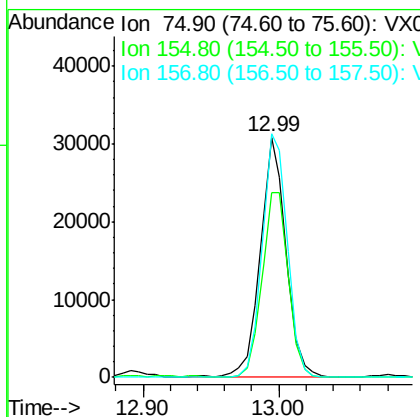
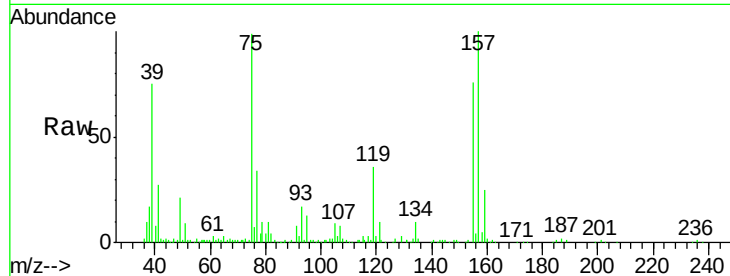
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.977 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	78.4	38.6	115.8
157	99.1	50.6	151.9

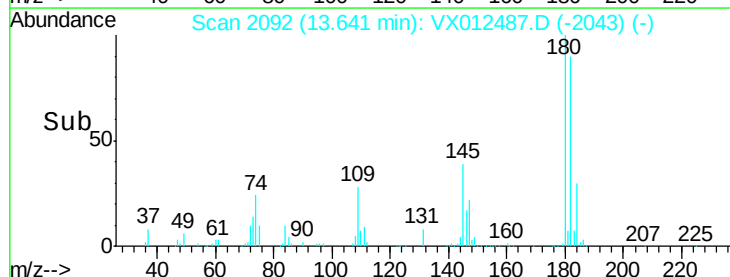
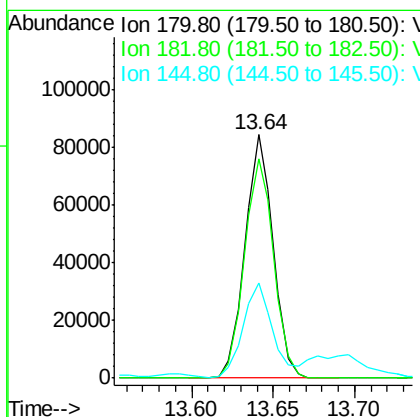
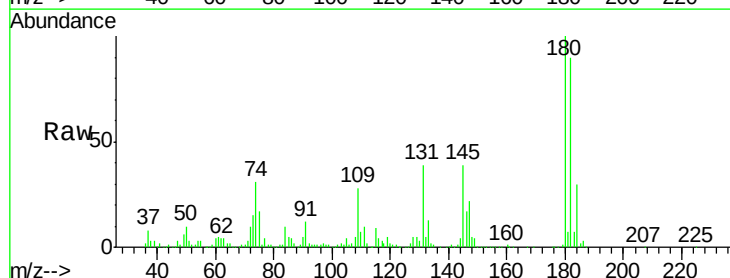
Manual Integrations
 APPROVED

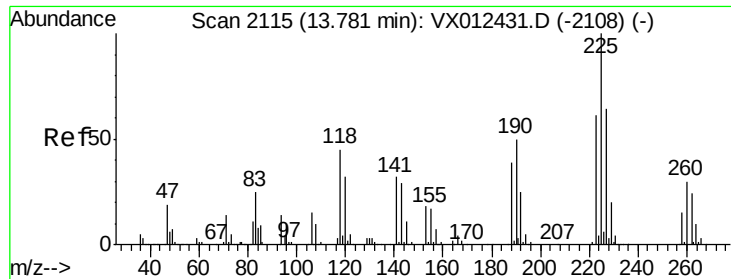
MMDadoda
 9/19/2019 1:05:55 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.416 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.0	141.0
145	41.5	16.8	50.4





#94

Hexachlorobutadiene

Concen: 41.503 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Instrument :

MSVOA_X

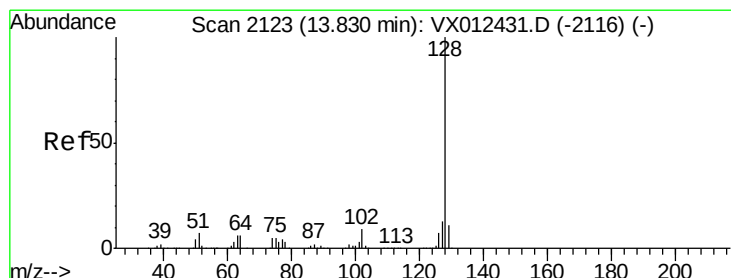
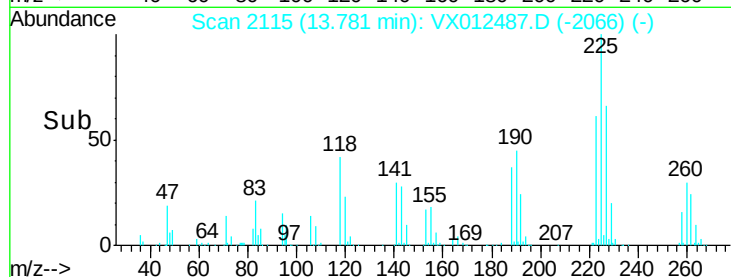
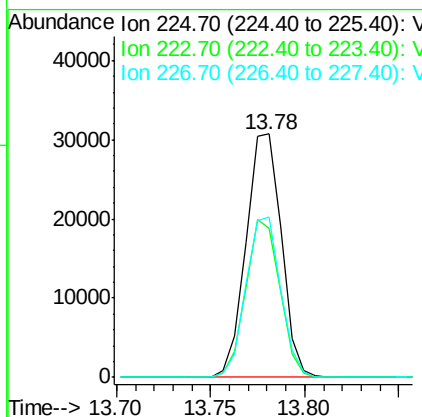
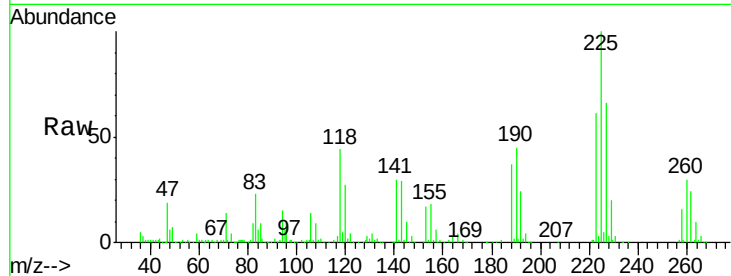
ClientSampled :

S13-0282MS

Tot Ion:	225	Resp:	40022
Ion Ratio		Lower	Upper
225	100		
223	62.6	32.0	96.2
227	64.5	31.9	95.5

Manual Integrations
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#95

Naphthalene

Concen: 101.402 ug/l

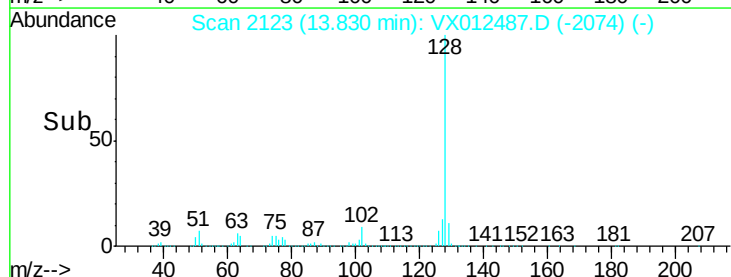
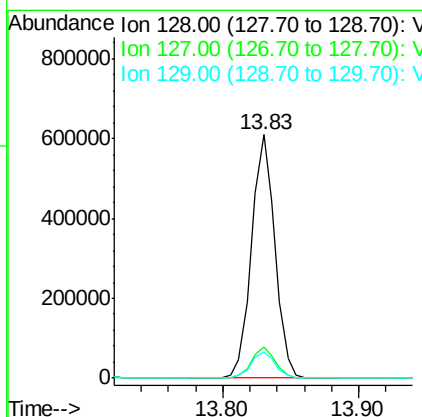
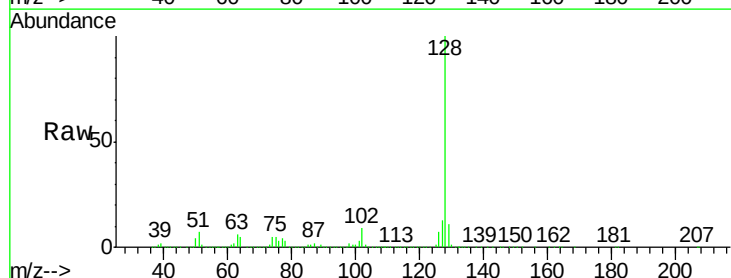
RT: 13.83 min Scan# 2123

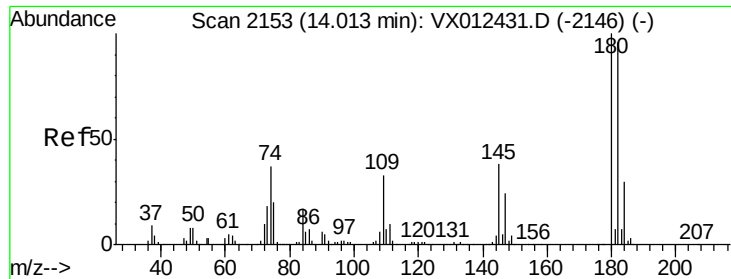
Delta R.T. 0.00 min

Lab File: VX012487.D

Acq: 18 Sep 2019 20:28

Tgt Ion:	128	Resp:	738226
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.2	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 51.184 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012487.D
 Acq: 18 Sep 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.1	47.1	141.3
145	39.0	18.0	54.0

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:05:55 PM

