

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
 Data File : VD062506.D
 Acq On : 22 May 2019 16:48
 Operator : VA/AP
 Sample : K2996-05
 Misc : 5.42g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P-3(4.5-5.0)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.692	23	27	35	rBV	1113893	3055858	1.31%	0.208%
2	1.820	35	40	46	rBV	4602956	14624627	6.28%	0.997%
3	1.899	46	48	54	rVB	1350208	3069875	1.32%	0.209%
4	1.988	54	57	76	rVB	861504	3334180	1.43%	0.227%
5	2.224	76	81	87	rBV2	548173	2394056	1.03%	0.163%
6	2.352	87	94	116	rBV	22930758	232798418	100.00%	15.864%
7	2.627	116	122	126	rBV2	16028549	75718252	32.53%	5.160%
8	2.972	151	157	164	rBV	9013885	44959910	19.31%	3.064%
9	3.857	221	247	250	rBV2	27576015	210799583	90.55%	14.365%
10	6.711	524	537	540	rBV	13544618	74775956	32.12%	5.096%
11	7.203	580	587	588	rBV2	6796130	25258589	10.85%	1.721%
12	10.864	957	959	962	rBV3	3227712	7545928	3.24%	0.514%
13	11.149	985	988	995	rVB3	10971434	34697805	14.90%	2.364%
14	11.258	995	999	1000	rVV2	5277859	11390648	4.89%	0.776%
15	11.346	1001	1008	1024	rVB6	14801262	95143767	40.87%	6.484%
16	11.661	1034	1040	1041	rBV2	4635617	13639040	5.86%	0.929%
17	11.819	1045	1056	1070	rVB6	10904134	86635052	37.21%	5.904%
18	12.281	1096	1103	1104	rBV3	4741453	15845837	6.81%	1.080%
19	12.626	1128	1138	1140	rBV	15480208	86407686	37.12%	5.888%
20	13.019	1175	1178	1181	rBV4	1026983	2457563	1.06%	0.167%
21	13.157	1181	1192	1196	rVV	24908681	110976302	47.67%	7.562%
22	13.255	1200	1202	1204	rVV	4204275	6321328	2.72%	0.431%
23	13.285	1204	1205	1208	rVV2	2749204	4219783	1.81%	0.288%
24	13.344	1208	1211	1216	rVB5	3266149	9337238	4.01%	0.636%
25	13.442	1216	1221	1225	rBV	15082654	28990524	12.45%	1.976%
26	13.511	1225	1228	1231	rBV3	2269793	6069797	2.61%	0.414%
27	13.580	1232	1235	1236	rVV2	3593873	6978315	3.00%	0.476%
28	13.610	1236	1238	1244	rVB	6019128	10393675	4.46%	0.708%
29	13.698	1244	1247	1250	rVB	3609048	5676327	2.44%	0.387%
30	13.797	1253	1257	1261	rVV	13309875	25295261	10.87%	1.724%
31	13.885	1261	1266	1268	rVV	20451477	57507993	24.70%	3.919%
32	13.964	1271	1274	1280	rVB	17545590	33487673	14.38%	2.282%
33	14.102	1284	1288	1294	rVB	13563613	22460114	9.65%	1.531%
34	14.269	1300	1305	1308	rBV	22367630	50077542	21.51%	3.413%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-3(4.5-5.0)

Integration Parameters: RTEINT.P

Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Title : SW846 8260

35	14.377	1312	1316	1318	rVB2	1421218	3043030	1.31%	0.207%
36	14.446	1318	1323	1325	rVB2	1726264	3070276	1.32%	0.209%
37	14.564	1332	1335	1340	rBV	9512751	13133622	5.64%	0.895%
38	14.712	1346	1350	1351	rBV	7251026	10063756	4.32%	0.686%
39	14.781	1354	1357	1362	rVB2	6281788	9356422	4.02%	0.638%
40	14.977	1374	1377	1378	rBV	2092297	2882904	1.24%	0.196%
41	15.056	1382	1385	1387	rBV	2788202	3577286	1.54%	0.244%

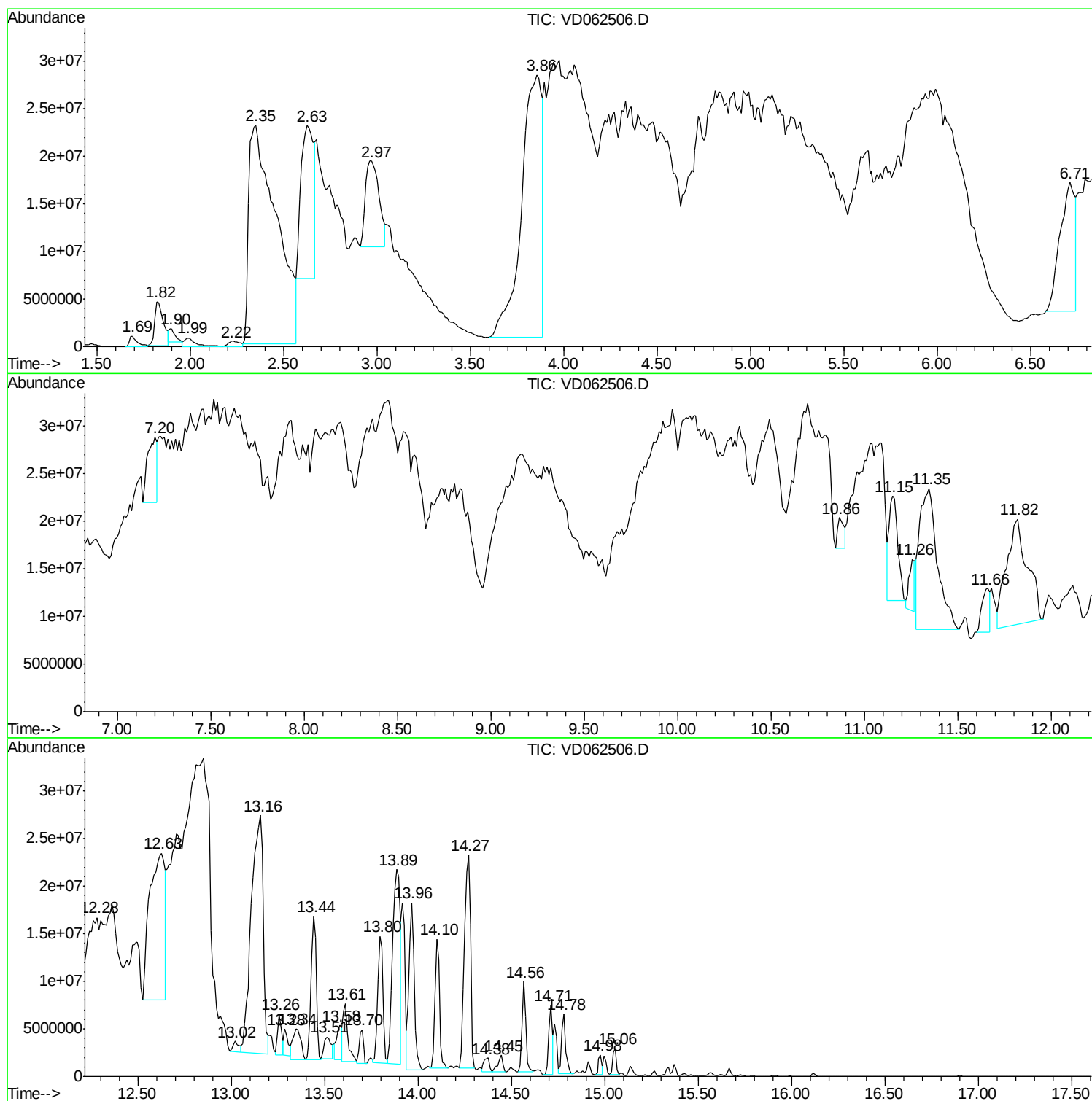
Sum of corrected areas: 1467471798

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-3(4.5-5.0)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
P-3(4.5-5.0)

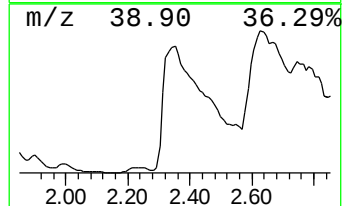
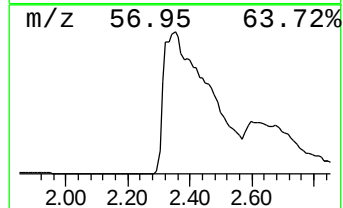
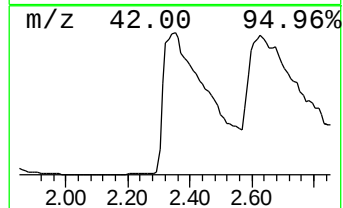
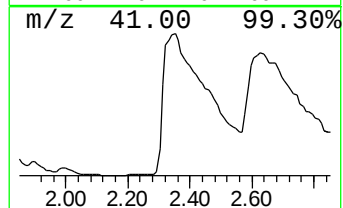
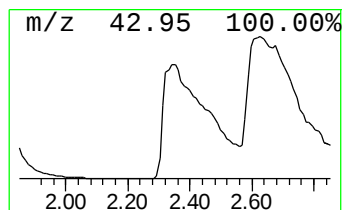
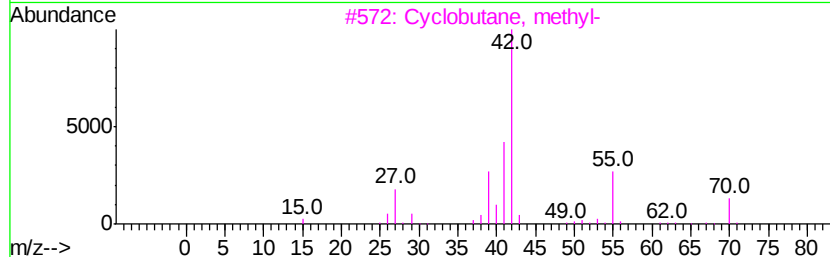
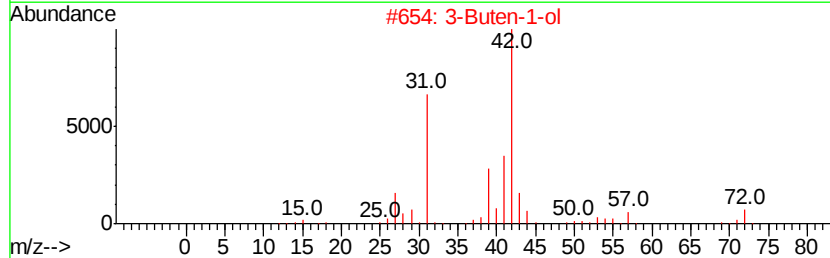
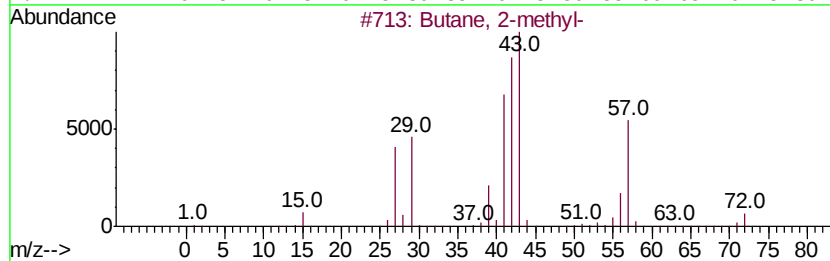
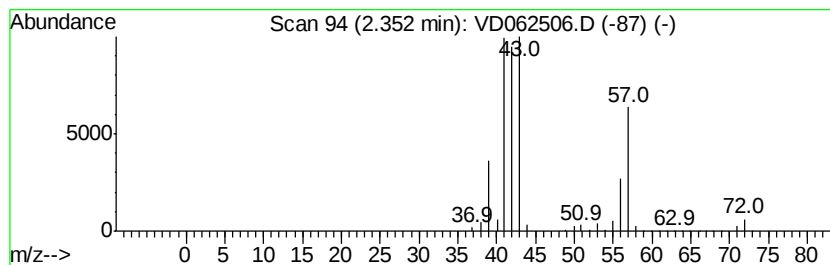
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.35	460.83 ug/l	232798000	Pentafluorobenzene	7.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methyl-	72	C5H12	000078-78-4	80
2		3-Buten-1-ol	72	C4H8O	000627-27-0	47
3		Cyclobutane, methyl-	70	C5H10	000598-61-8	32
4		1-Propene, 2-methyl-	56	C4H8	000115-11-7	10
5		1-Butene	56	C4H8	000106-98-9	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
P-3(4.5-5.0)

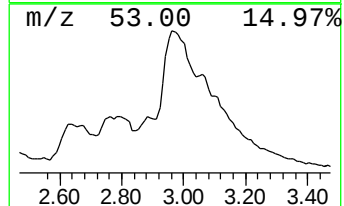
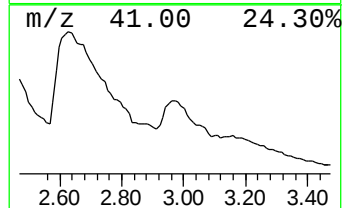
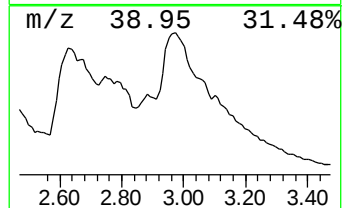
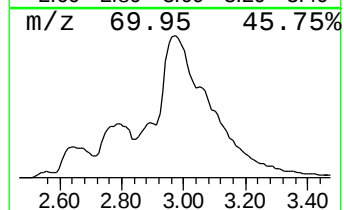
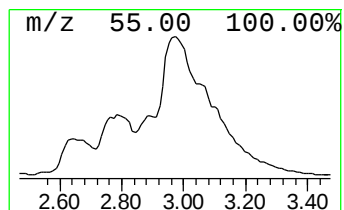
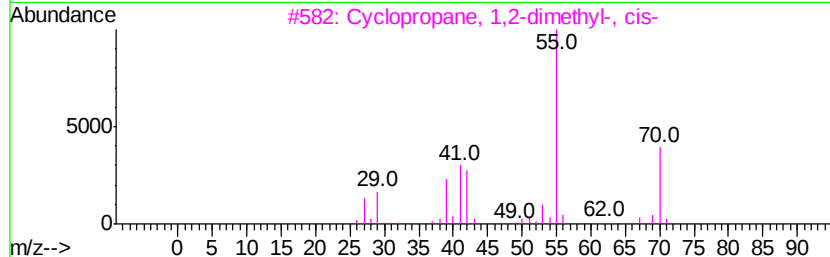
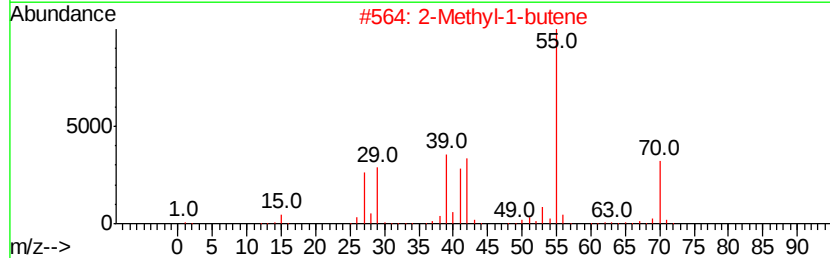
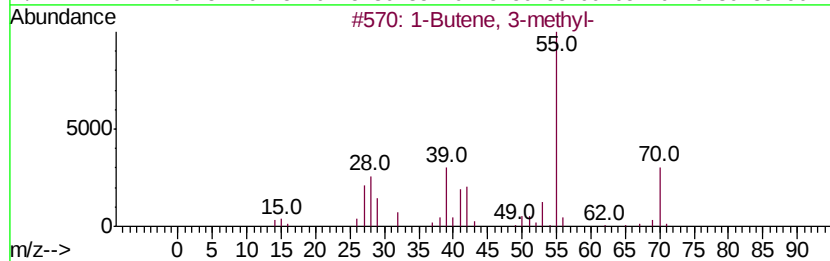
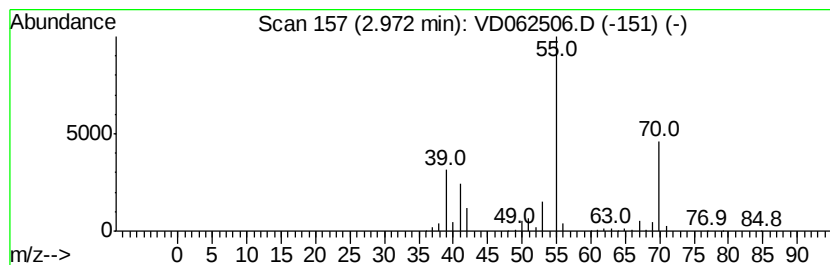
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1-Butene, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	89.00 ug/l	44959900	Pentafluorobenzene	7.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Butene, 3-methyl-	70	C5H10	000563-45-1	78
2		2-Methyl-1-butene	70	C5H10	000563-46-2	72
3		Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	72
4		2-Butene, 2-methyl-	70	C5H10	000513-35-9	72
5		Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-3(4.5-5.0)

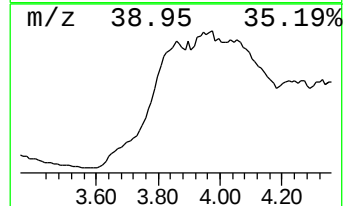
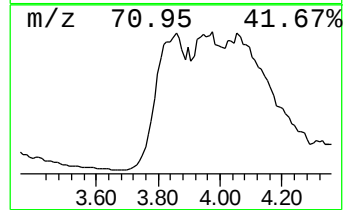
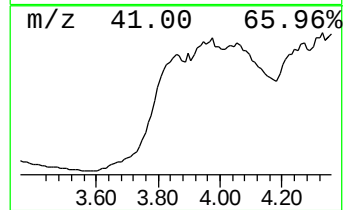
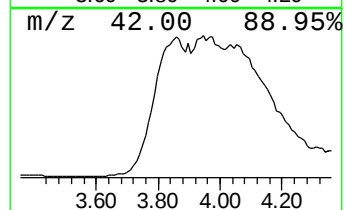
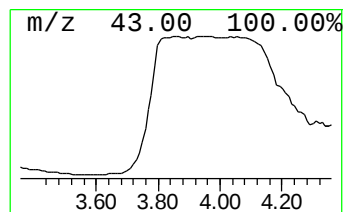
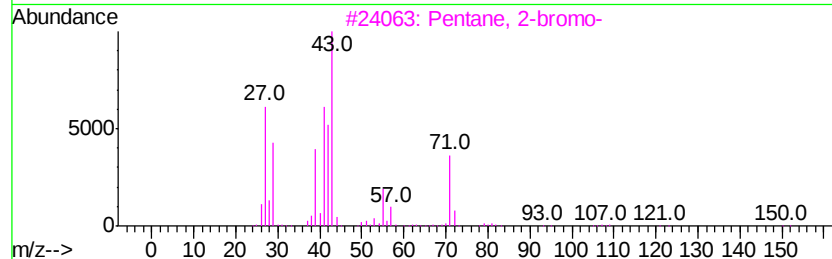
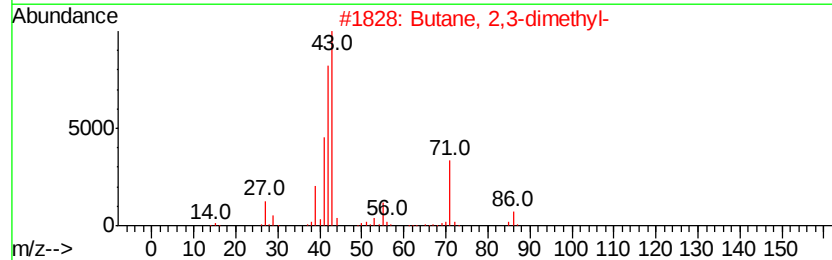
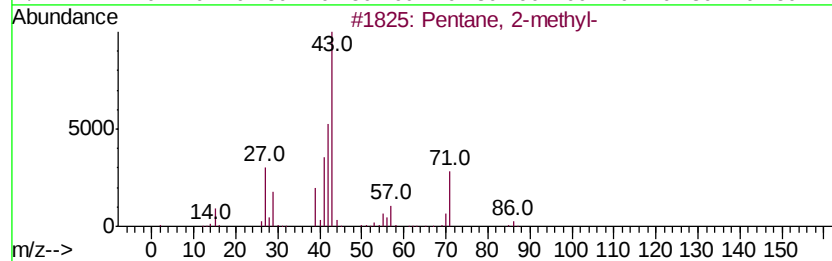
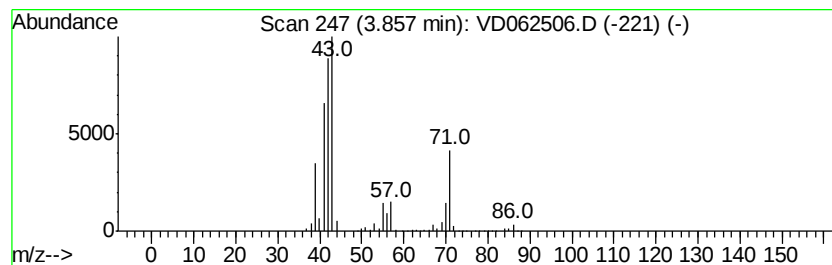
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Pentane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.86	417.28 ug/l	210800000	Pentafluorobenzene	7.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
2		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
3		Pentane, 2-bromo-	150	C5H11Br	000107-81-3	47
4		1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	28
5		1,6-Heptadien-4-ol	112	C7H12O	002883-45-6	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :
P-3(4.5-5.0)

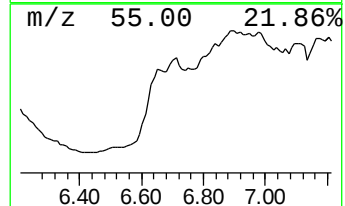
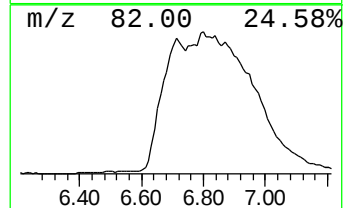
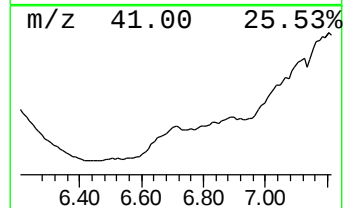
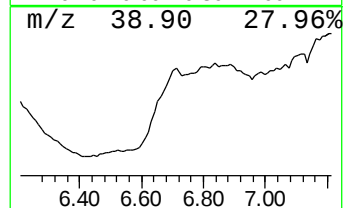
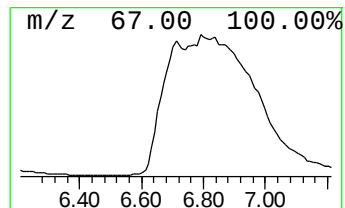
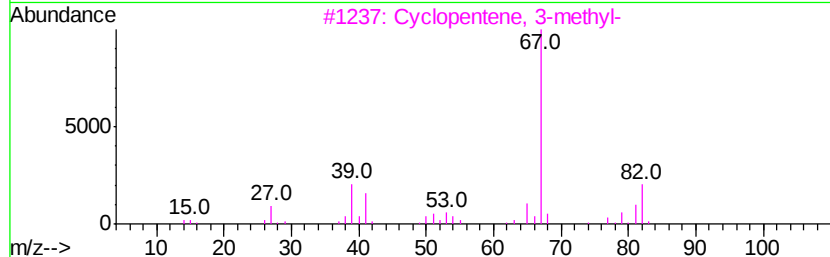
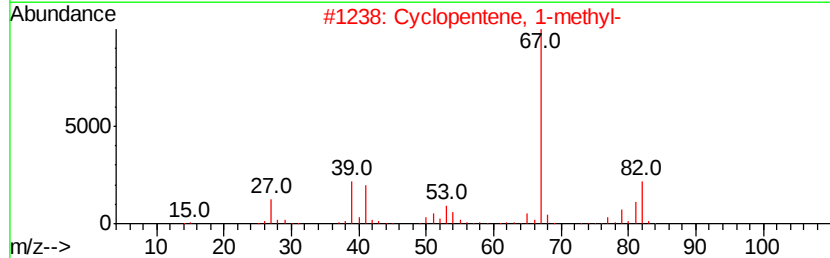
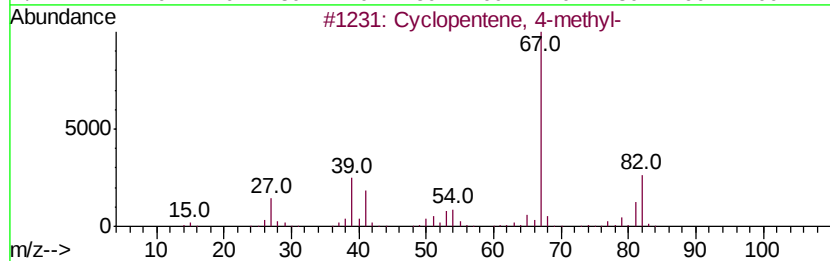
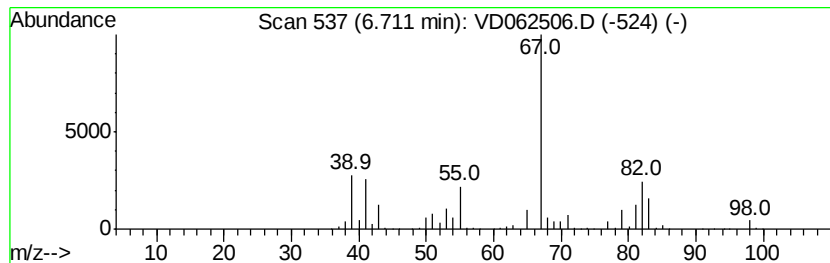
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Cyclopentene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	148.02 ug/l	74776000	Pentafluorobenzene	7.11

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	83
2		Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	83
3		Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	81
4		1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	81
5		C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-3(4.5-5.0)

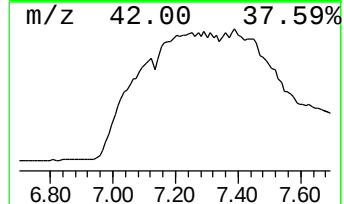
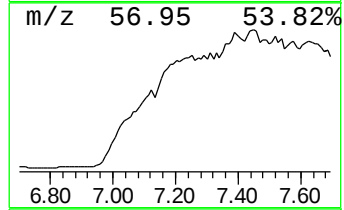
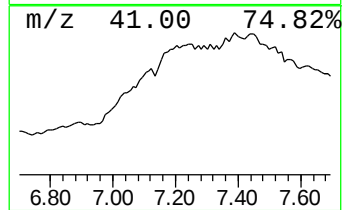
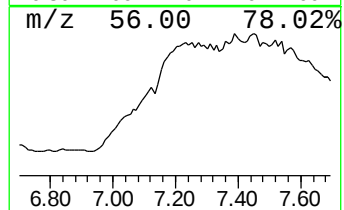
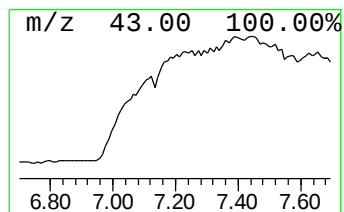
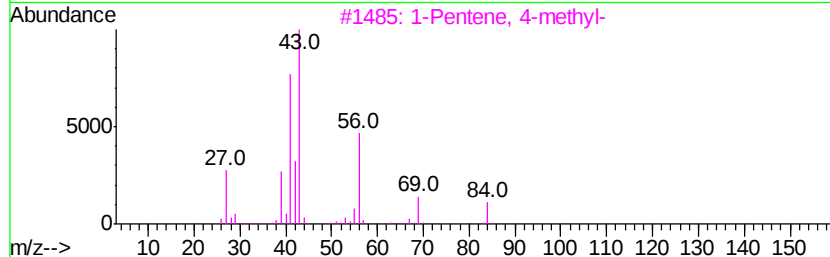
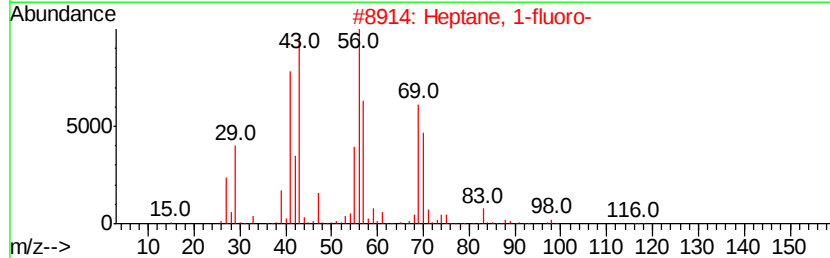
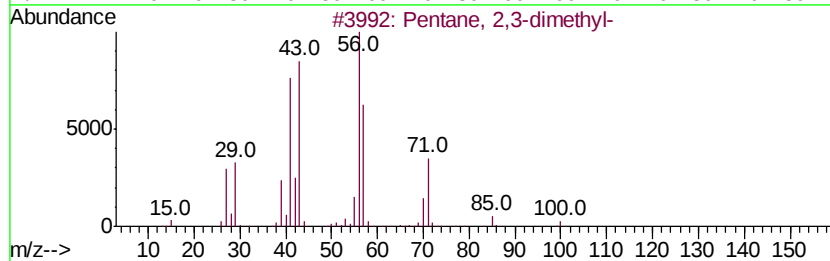
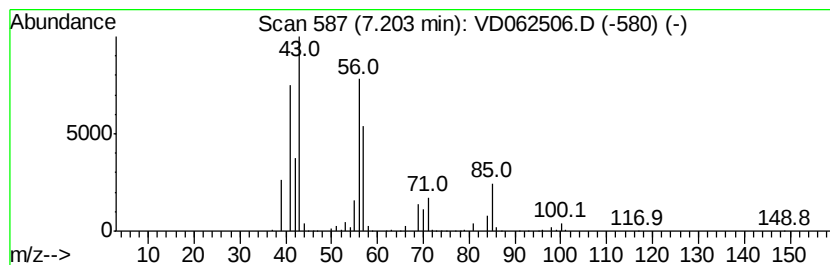
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Pentane, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	50.00 ug/l	25258600	Pentafluorobenzene	7.11

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64	
2	Heptane, 1-fluoro-	118	C7H15F	000661-11-0	59	
3	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	52	
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	47	
5	2(3H)-Furanone, dihydro-5-methyl-	100	C5H8O2	000108-29-2	47	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

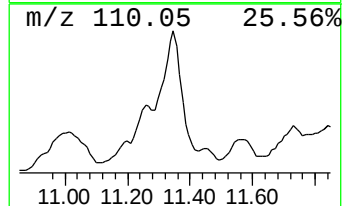
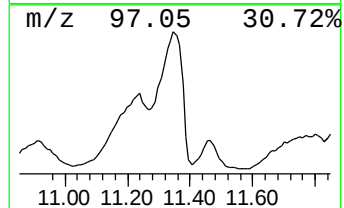
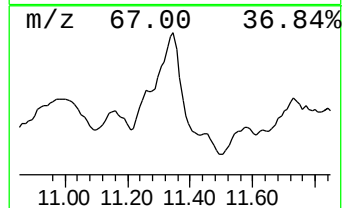
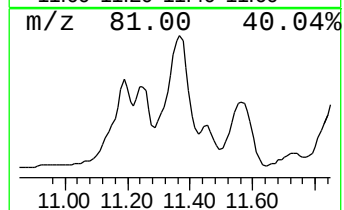
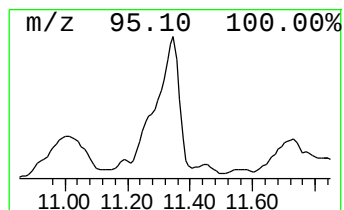
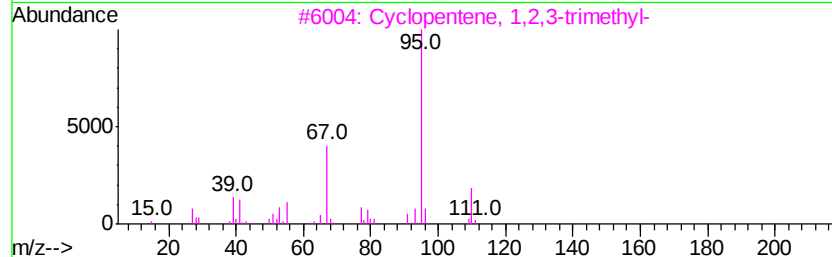
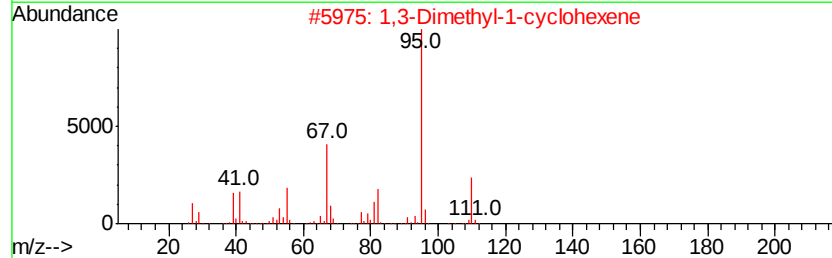
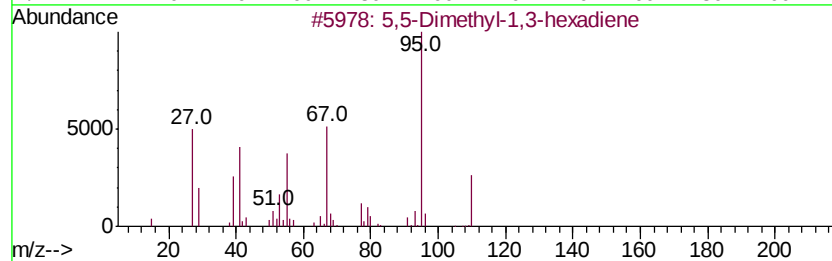
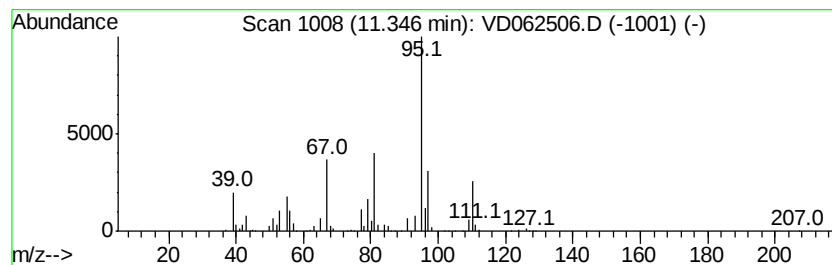
Instrument :
MSVOA_D
ClientSampleId :
P-3(4.5-5.0)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 5,5-Dimethyl-1,3-hexadiene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	55.06 ug/l	95143800	Chlorobenzene-d5	12.48
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	5,5-Dimethyl-1,3-hexadiene	110 C8H14	001515-79-3	76
2	1,3-Dimethyl-1-cyclohexene	110 C8H14	002808-76-6	72
3	Cyclopentene, 1,2,3-trimethyl-	110 C8H14	000473-91-6	68
4	Cyclobutene, 1,2,3,4-tetramethyl-	110 C8H14	090346-45-5	64
5	1,4-Pentadiene, 2,3,3-trimethyl-	110 C8H14	000756-02-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-3(4.5-5.0)

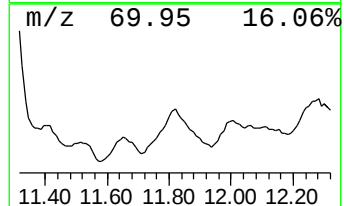
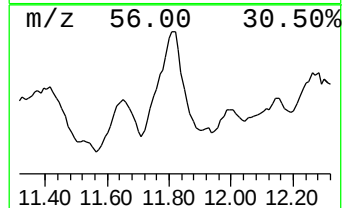
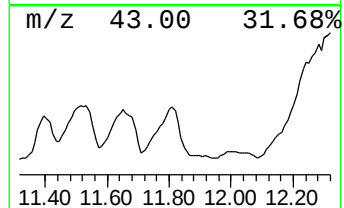
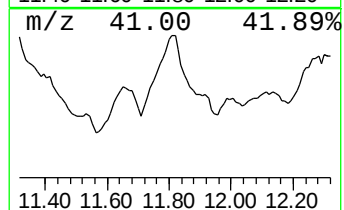
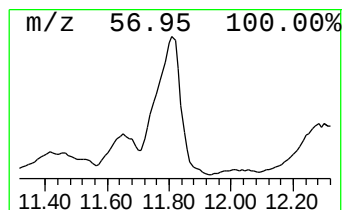
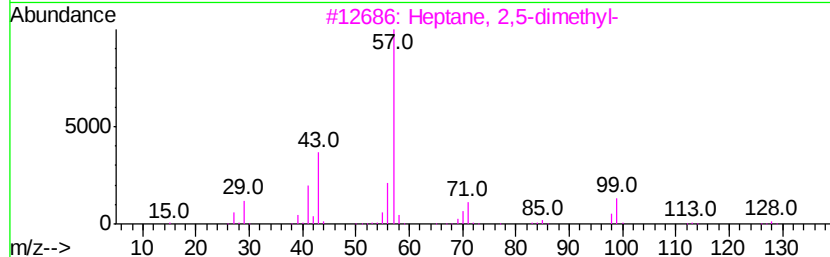
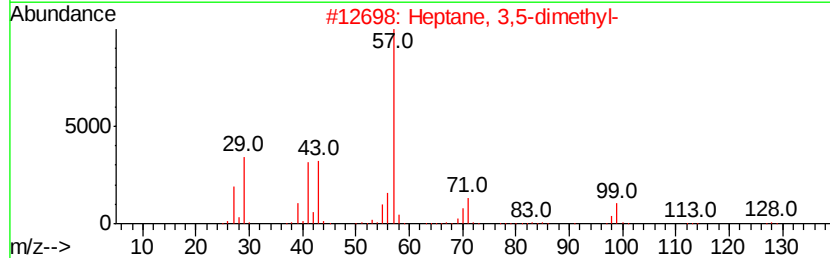
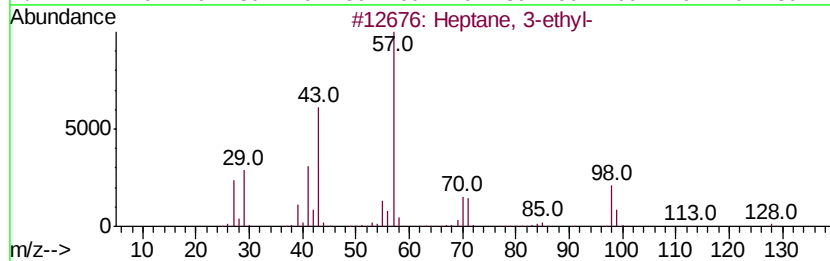
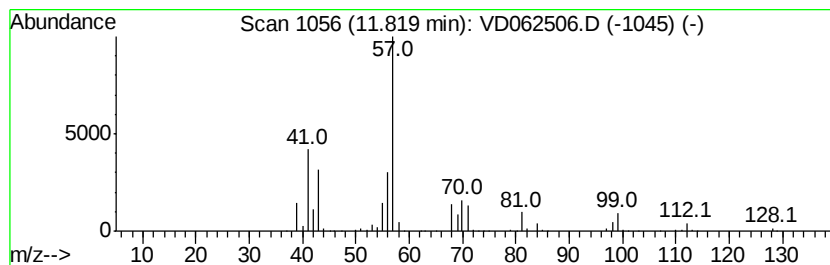
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown11.82 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	50.13 ug/l	86635100	Chlorobenzene-d5	12.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	46
2		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	46
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	46
4		Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	43
5		Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-3(4.5-5.0)

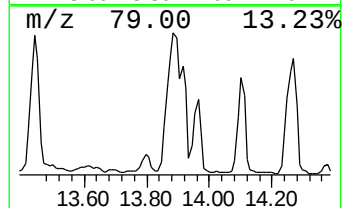
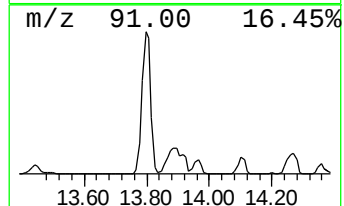
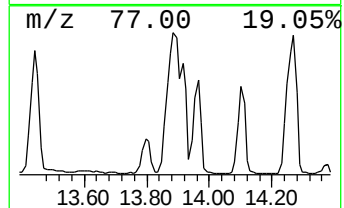
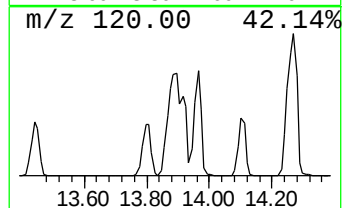
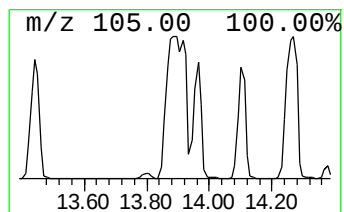
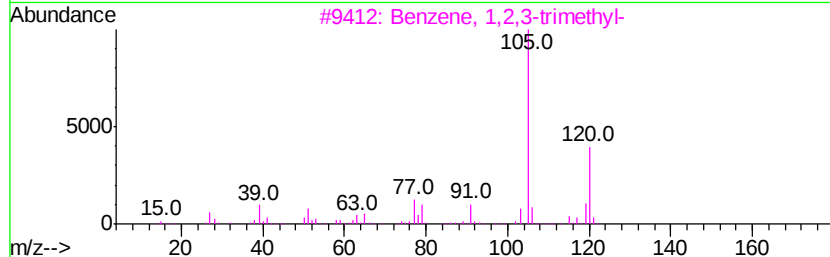
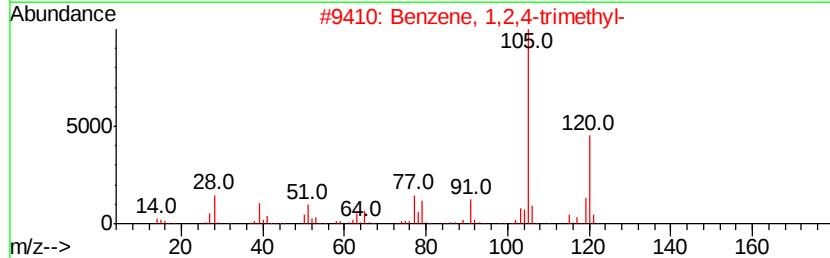
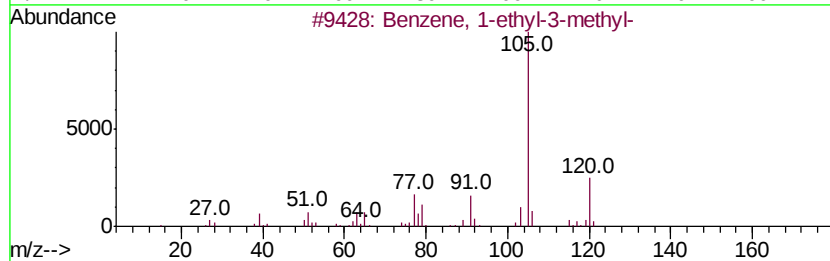
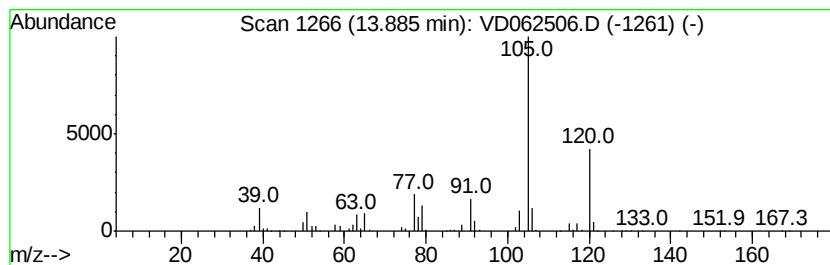
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	218.93 ug/l	57508000	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5		Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

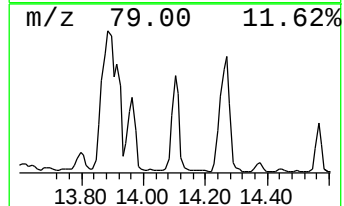
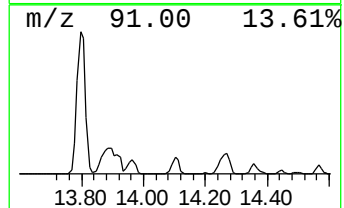
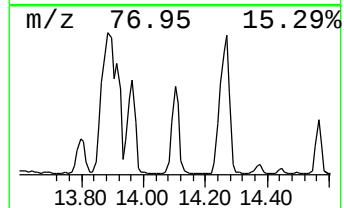
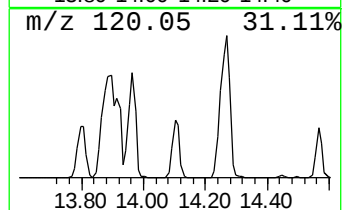
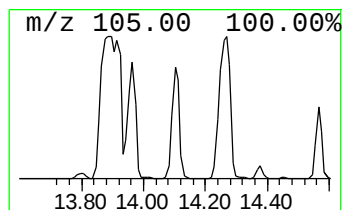
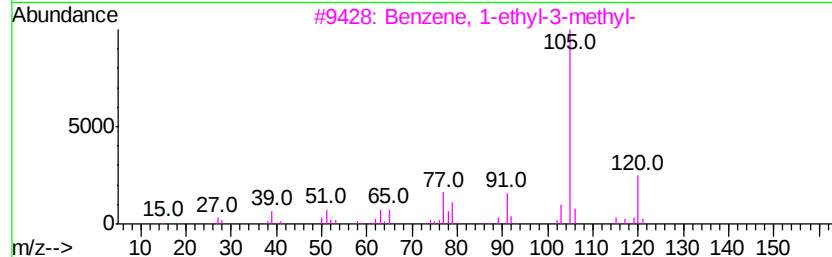
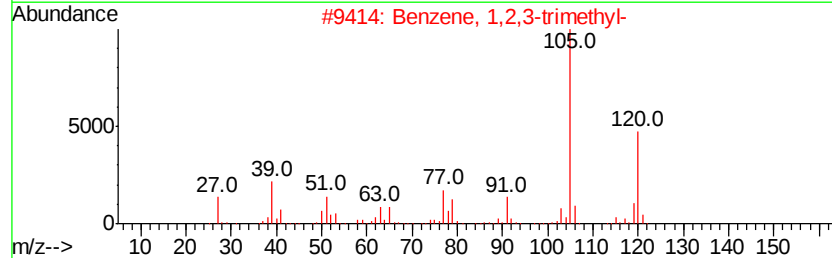
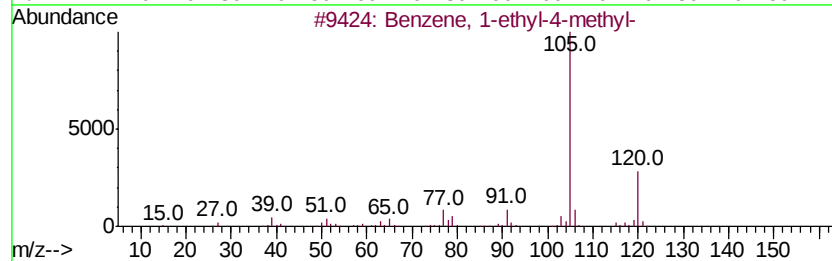
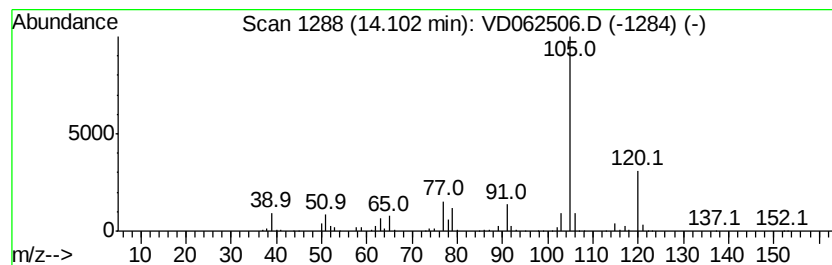
Instrument :
MSVOA_D
ClientSampleId :
P-3(4.5-5.0)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzene, 1-ethyl-4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	85.51 ug/l	22460100	1,4-Dichlorobenzene-d4	14.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethyl-4-methyl-	120 C9H12	000622-96-8 91
2		Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8 91
3		Benzene, 1-ethyl-3-methyl-	120 C9H12	000620-14-4 91
4		Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3 91
5		Mesitylene	120 C9H12	000108-67-8 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD052219\
Data File : VD062506.D
Acq On : 22 May 2019 16:48
Operator : VA/AP
Sample : K2996-05
Misc : 5.42g/5ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P-3(4.5-5.0)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methyl-	2.35	460.8	ug/l	232798000	1	7.11	25258600	50.0
1-Butene, 3-methyl-	2.97	89.0	ug/l	44959900	1	7.11	25258600	50.0
Pentane, 2-methyl-	3.86	417.3	ug/l	210800000	1	7.11	25258600	50.0
Cyclopentene, 4-m...	6.71	148.0	ug/l	74776000	1	7.11	25258600	50.0
Pentane, 2,3-dime...	7.20	50.0	ug/l	25258600	1	7.11	25258600	50.0
5,5-Dimethyl-1,3-...	11.35	55.1	ug/l	95143800	3	12.48	86407700	50.0
unknown11.82	11.82	50.1	ug/l	86635100	3	12.48	86407700	50.0
Benzene, 1-ethyl-...	13.89	218.9	ug/l	57508000	4	14.52	13133600	50.0
Benzene, 1-ethyl-...	14.10	85.5	ug/l	22460100	4	14.52	13133600	50.0